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Climate of the Deception Creek Experimental Forest, Northern Idaho

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RESEARCH SUMMARY

This report describes in detail the climate of Deception Creek Experimental Forest and adjacent area, located in the northern Idaho panhandle. Data are summarized from year-round climatological stations, fire-weather stations, and other sources. Primary observations within the experimental forest, taken at the headquarters, are limited to a 10-year period, 1936-45, but long-term averages have been derived employing standard methods. Indications of local site or topographic differences in temperature, relative humidity, and precipitation are given by station comparisons utilizing past data and also 1984-85 data acquired for fire research. The recent data include hourly measurements from a Remote Automatic Weather Station (RAWS).

Deception Creek's climate is distinguished by its heavy precipitation. The ravine-bottom headquarters location averages about 55 inches annually, compared with 26 to 42 inches at adjacent valley-bottom climatic stations. About 10 percent more precipitation occurs on a nearby ridgetop. Average precipitation of 1.00 inch during July, normally the driest month, is, however, close to that at the other climatic stations. Annual mean temperature at headquarters, 42 °F, is 5 to 6 °F lower than at neighboring Coeur d'Alene and Kellogg. Monthly normals range from 23 °F in January to 62 °F in July. Average maximum temperatures reach 81 °F in July, but this location is still subject to early-morning frost in summer.

An afternoon shading effect on temperature and relative humidity was found to occur at headquarters, particularly in late fire season. During a period of fair weather in late September and early October 1984, maximum temperatures at headquarters on 5 days were 10 to 16 °F lower than those at the RAWS site, on a north-facing slope 900 ft higher in elevation. By early September, minimum afternoon relative humidity at headquarters averages about 15 percent higher than at Fernan Ranger Station, Coeur d'Alene. By 4:30 p.m. (1630), P.s.t., at this time of year, the humidity difference between these two stations rises to about 30 percent. Afternoon data were therefore utilized from the former Magee Ranger Station, located northeast of Deception Creek, to more broadly represent a 3,000-ft elevation for interpolation purposes in certain graphs. From such a graph, the frequency of a midafternoon humidity value less than 30 percent at an open 4,000-ft slope location increases from about 6 percent of the days during May and early June to 50 percent in late July, falling to 10 percent in late September.

Data from Fernan Ranger Station, and from other fire-weather stations in the Northern Rocky Mountains, show large differences between pre-1974 and more recent (1974-84) averages of afternoon temperature and relative humidity—particularly in July and August. About one-half of these differences may represent a generally cooler, moister summertime pattern in recent years. The other half may be attributed to a 3-hour change in fire-weather observation time.

Cover photo: An early view of the Deception Creek Experimental Forest Headquarters site showing the location of the Headquarters weather station. Forest Service photo by Charles A. Wellner, July 19, 1937.

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INTRODUCTION

This report is one of a series of climatological summaries for Northern Rocky Mountain forest areas. Previously published reports describe the climates of the Selway-Bitterroot Wilderness, the Priest River Experimental Forest and vicinity, and the Glacier National Park area (Finklin 1983a, 1983b, 1986).

The purpose of these reports is to provide climatic data for use in studies of fire history, fire effects, and prescribed burning in the areas described, and to support the application of fire management science and technology. More specifically, climatic data are helpful in establishing seasonal limits for prescribed burning. The data also form a baseline of "normals" from which deviations in particular years may be related to postfire vegetal response and other effects. The uses of this climatic data are not limited, however, to fire-related activities. Climate is an important variable in many forestry research studies and an important consideration in planning a variety of forestry activities, such as tree regeneration, insect and disease control, watershed protection and management, and recreation.

Our climatic analysis for Deception Creek Experimental Forest includes data from adjacent stations. The scope of this report therefore covers much of the Coeur d'Alene National Forest.

THE DECEPTION CREEK EXPERIMENTAL FOREST

The Deception Creek Experimental Forest was established in 1933 for research and demonstration purposes in the western white pine (*Pinus monticola*) forest cover type of the northern Idaho panhandle. Early research emphasis was on harvesting methods, stand improvement practices, artificial and natural regeneration techniques, and white pine blister rust control (Wellner and Foiles 1951). During subsequent years, studies relating to pole blight, growth and yield, forest hydrology, and root diseases have also been conducted by Intermountain Research Station scientists and university cooperators. Recent research has included investigation of fuel reduction and duff consumption by prescribed fires in spring, summer, and fall.

The Experimental Forest occupies 3,517 acres of the Fernan Ranger District, Coeur d'Alene National Forest. It is located about 14 air miles (22 road miles) east-northeast of Coeur d'Alene, ID, at about 47°45′ N. latitude, 116°30′ W. longitude (fig. 1). Elevations within the Experimental Forest range from about 2,800 ft at the eastern edge along Deception Creek to 4,600 ft on ridges that form the northern and southern boundaries. Many small creeks drain north or south into Deception Creek, a tributary of the North Fork Coeur d'Alene River just east of the Experimental Forest boundary. The major tree species are western hemlock (*Tsuga heterophylla*), grand fir (*Abies grandis*), western white pine, western larch (*Larix occidentalis*), and Douglas-fir (*Pseudotsuga menziesii*). Prevalent habitat types are of the western hemlock and the grand fir series (Cooper and others in press).

Figure 1—Location of Deception Creek Experimental Forest in northern Idaho, together with adjacent climatic stations and other places included or mentioned in this report.

STATIONS, DATA, AND METHODS

Although this climatic description utilizes the available Deception Creek data, it also depends upon stations in the surrounding area. The locations of these stations are shown in figure 2. Details concerning the stations, types and sources of data, and methods of analysis follow.

Deception Creek Headquarters Station

The primary Deception Creek station, referred to as headquarters, or Deception Creek, is at the experimental forest headquarters compound (fig. 3A). The site is in a sheltered clearing in the ravine bottom of Sands Creek, a tributary of Deception Creek, at an elevation of 3,060 ft. Headquarters data availability is outlined in table 1.

Additional data were collected in summer during the 1960's and some earlier and later years. The records could not be located, however, or were not in usable form (for example, hygrothermograph charts were lacking calibration checks). Fire-weather observations in this locale were initially taken, during 1933-35, at the former Honeysuckle Ranger Station. This station was located 1.3 miles northeast of present headquarters and about 300 ft lower in elevation; it was likewise in a sheltered setting. We cite for comparison some findings from the Honeysuckle data.

Other Stations

Remote Automatic Weather Station—A remote automatic weather station (RAWS) was operated during the summer and early fall of 1984 and 1985 in conjunction with fire research studies in the Blue Rock Creek drainage. The RAWS site (fig. 3B) is in a shrub-covered clearcut on a north-facing slope at about 3,950 ft in elevation, 2 miles west-northwest of the headquarters station. Data are on file at the Intermountain Fire Sciences Laboratory and include hourly temperature, relative humidity, wind direction and speed, and precipitation.

Wolf Lodge Summit—During the 1940's a recording precipitation gage was in service on a heavily wooded ridge designated as Wolf Lodge Summit (U.S. Weather Bureau 1958b), 2 miles southwest of headquarters at an elevation of 4,650 ft (fig. 2). Precipitation amounts collected at this site during 1948 and 1949 fire seasons were published in monthly "Climatological Data" State summaries for Idaho. Earlier, year-round data were obtained from files at the Forestry Sciences Laboratory, Moscow, ID.

Lower Sands Creek and Copper Ridge Snow Courses—The Lower Sands Creek snow survey course, located near headquarters, has provided monthly snow depth and water content data from 1936 to the present.

Figure 2—Location of stations used in this report, in or near Deception Creek Experimental Forest (shown by dashed outline and hatching). Includes climatic and fire-weather stations (upper case letters) and snow-survey courses (upper and lower case letters). Numbers are elevations in feet.

(A)

(B)

(C)

Figure 3—Weather observation sites in Deception Creek Experimental Forest, ID, shown in 1984. (A) Headquarters; equipment other than recording precipitation gage on post and relic wind vane was temporary, in use for fire research during summer and autumn 1984-85. (B) RAWS (Remote Automatic Weather Station), in use during 1984-85. (C) Sacramento-type storage precipitation gage, in headquarters clearing; gage has provided yearly precipitation totals since 1955.

Table 1—History of weather and climatic observations at Deception Creek headquarters for data used in this report

Type of station	Observation interval	Period of record	Data collected	Data source
Climatic station	Daily, year-round	1936-45	Maximum and minimum temperatures, precipitation, and snowfall.	U.S. Weather Bureau Climatological Data for Idaho; Wellner and Foiles (1951); U.S. Weather Bureau (1958a).
Fire weather station	Daily at 1630 P.s.t., May-October	1936-46	Wet and dry bulb temperature, wind speed and direction, cloud cover, state of weather, precipitation amount and duration, thunderstorm occurrence, maximum and minimum temperatures and relative humidities.	U.S. Weather Bureau forms 1009-E on file at the Intermountain Fire Sciences Lab, Missoula, MT.
Recording rain gage	Hourly, May-October	1944-present	Precipitation amount and duration.	U.S. Weather Bureau (and successor agencies) Climatological Data (1948-51); Hourly precipitation data (1951-70).
Storage gage	Annual	1955-present	Precipitation amount.	U.S. Weather Bureau (and successor agencies) Storage-Gage Precipitation Data for the Western United States (1955-76).
Fire research station	Hourly, June-October	1984-85	Temperature, relative humidity, and precipitation and amount and duration.	Hygrothermograph and recording rain gage charts on file at the Intermountain Fire Sciences Lab, Missoula.

Measurements, mostly taken about March 1, April 1, and May 1 of each year, were obtained from the U.S. Department of Agriculture, Soil Conservation Service (ca. 1980) and its monthly "Water Supply Outlook" for Idaho. Similar measurements were obtained for a ridge site, Copper Ridge snow course, at 4,820 ft, near the former Wolf Lodge Summit station.

Adjacent Stations—Data sources for the adjacent stations (figs. 1 and 2) are those already mentioned and also later climatic publications. Sources include the National Oceanic and Atmospheric Administration (1982), the National Fire-Weather Data Library (Furman and Brink 1975), and the Pacific Northwest River Basins Commission (1968).

The nearest long-term climatic stations, situated in valley bottoms, are at Coeur d'Alene and Kellogg, ID. Continuous records date from 1914 and 1905, respectively, though several changes have occurred in station location, adversely affecting data homogeneity (Landsberg 1958; Finklin 1983a). The Coeur d'Alene station was at nearby Gibbs during 1925-39 (close to the western city limits), before its move in 1939 to Fernan Ranger Station (near the southeast edge of Coeur d'Alene). The climatic station was terminated here in 1986 and moved to the somewhat distant Coeur d'Alene airport.

The Kellogg station was at its original site in town for 60 years, until late 1965, when it was relocated 3 miles west to the Kellogg (Shoshone County) airport. It was moved back to the edge of town in 1970, and smaller moves occurred in 1975 and 1986. The Kellogg airport records indicated some much lower minimum temperatures and less precipitation than would have been recorded in town.

Fire weather data have been recorded at Fernan Ranger Station, during May-October, since 1939. Kingston Ranger Station provided such data from 1937 through 1972; Magee Ranger Station only from 1963 through 1972 and for a shorter season. Data from the Mount Coeur d'Alene and Spyglass Peak Lookouts were also discontinued in the early 1970's, after about 20 to 25 years of record. These records are limited mostly to July and August.

Data Analysis

The climatic and fire-weather data were summarized by use of computer programs described by Bradshaw and Fischer (1984). The resulting summary tables for Deception Creek headquarters and for several adjacent valley and mountaintop stations are given in the appendix. These tables may cover differing periods of record, governed by data availability and changes in observation time. Before the year 1950, fire-weather observations were taken near 1630 (4:30 p.m.), P.s.t. Thence through 1973, the observation time was near 1500 (3:00 p.m.). In 1974, the time changed to 1200 (noon), to conform with a national standard. This 3-hour change has affected the comparability of recent data with past data, as shown in a later section.

For the climatic values used in our figures and text, the averages from short and differing periods of record were adjusted to standard or longer term normal periods. This adjustment, described by Finklin (1983a), employs the "difference method" for temperature and relative humidity and the "ratio method" for precipitation. Generally, data from between three and five adjacent stations were involved in each adjustment calculation. This practice should help reduce or smooth out adjustment errors resulting from nonhomogeneous data at the individual stations. As adopted by international convention, the standard normals are based on a 30-year period, currently 1951-80, but we have used a 50-year period, 1931-80, which includes the actual years of observations at Deception Creek. The longer period is desirable at least for precipitation (World Meteorological Organization 1967), affording a more stable and representative baseline, as precipitation values can vary considerably between years and decades.

SUMMARY OF CLIMATE

The general climate of the Idaho panhandle is transitional between a north Pacific coastal type and a continental type. The Pacific influence is particularly noted by an autumn and winter maximum in low-type cloudiness and precipitation. These are enhanced by the mountainous topography and its forced uplift of moist airflow.

The lifting or orographic effect is strongly evident at Deception Creek, where average annual precipitation, adjusted to a 1931-80 normal period, is about 55 inches at headquarters. In comparison, the adjacent valley-located climatic stations in northern Idaho average 26 to 42 inches. About 10 percent additional annual precipitation is indicated on Wolf Lodge Ridge, near the southern edge of Deception Creek Experimental Forest.

The cloudiest, wettest months are usually November, December, and January. These three months have precipitation averages between 7 and 9 inches. Sunshine in December averages only about 20 percent of the maximum possible.

Annual snowfall at Deception Creek headquarters averages 160 inches, which in water content represents about 25 percent of the total precipitation. Snow cover near headquarters is usually continuous from sometime in November to late April or early May. Seasonal maximum depth here is usually reached in February or March and averages 5 to 6 ft. Seasonal maximum depth averages about 7 ft on Wolf Lodge Ridge.

Monthly average precipitation gradually decreases during spring at Deception Creek but is still about 3.00 inches in June. A pronounced clearing and drying follows in July, with 50-year average precipitation close to 1.00 inch. July sunshine averages near 80 percent of the maximum possible, compared with about 60 percent in June. Sunny, dry conditions normally continue during much of August, but precipitation averages about 0.75 inch during the final 10 days of the month. Autumn is usually well established by October, with monthly precipitation averaging nearly 5.00 inches.

Thunderstorms occur on an average of about 3 days per month in June, July, and August. Fifty percent of the July and August storms observed from Mount Coeur d'Alene Lookout began during the 6-hour period between 1600 and 2159 P.s.t.

Monthly average temperatures at headquarters range from 23 °F in January to 62 °F in July, based on a 24-hour period ending about 1630 P.s.t. and adjusted to 1931-80. The annual average is 42 °F, which is 5 to 6 °F below the average at adjacent Coeur d'Alene and Kellogg, ID, and 2 °F below the average at Priest River Experimental Forest headquarters. Average daily maximum readings at Deception Creek range from 29 °F in January to 81 °F in July. The corresponding minimums range from 16 °F to 43 °F. Extreme daily values, over a 50-year period, may range from −40 to 103 °F.

Frost (32 °F minimum temperature) occurs in the sheltered headquarters ravine bottom in July and August in many years. This location has an average period of about 125 days between killing frosts (28 °F minimum temperature or lower), extending from late May to late September.

On adjacent slopes and ridges, fair-weather nighttime temperatures are typically higher than those at the bottom, and the frost-free periods may average 1 to 2 months longer. Minimum temperatures at the Remote Automatic Weather Station (RAWS) during July-August 1984 averaged 5 °F higher than the minimums at headquarters, with an extreme difference of 12 °F.

Afternoon relative humidity at Deception Creek averages near or above 80 percent during November, December, and January. This decreases to about 50 to 55 percent in May and June and to below 40 percent in July and August. By early August, however, relative humidity in the headquarters area typically undergoes a large diurnal increase by 1700 P.s.t., together with a temperature decrease. This local characteristic is an effect of shading by nearby terrain and trees—and resulting radiational cooling.

On an open slope at 4,000 ft, midafternoon relative humidity below 30 percent normally occurs on about 5 to 6 percent of the days during May-early June, increasing to 50 percent of the days in late July. This frequency decreases to 10 percent in late September.

Large-scale windflow over the Idaho panhandle is typically from the west or southwest throughout the year, but direction and speed are modified by the terrain. During July and August, ranger stations and lookouts in the Coeur d'Alene National Forest area have midafternoon

windspeeds averaging mostly 5 to 6 mi/h. Observed speeds averaged only half as great at Deception Creek headquarters. The standard 10-minute average speeds were not often high even at the lookout stations, but 1985 data from the RAWS site illustrate the higher speeds that may possibly occur during gusts. Peak gusts at this site on July-August early afternoons averaged 15 mi/h, compared with hourly reported 10-minute speeds averaging 5 mi/h.

Downslope and downcanyon airflows, or drainage breezes, often occur during fair-weather nighttime hours. These local winds are usually very light, as was observed at the RAWS north-slope site.

DETAILS OF THE CLIMATE

Cloudiness and Sunshine

The period November through February is normally the cloudiest time of year in the Idaho panhandle; July and August, the clearest. The adjacent Spokane and Kalispell National Weather Service Stations have an average of only 3 or 4 clear days per month during the above autumn-winter period. This number slowly increases to 8 days in June and then jumps to 17 days in July and 16 days in August. Clear days are defined as those days with sunrise-to-sunset cloud cover of any type averaging 0 to 3 tenths. The corresponding frequency of cloudy days—those with cloud cover averaging 8 to 10 tenths—peaks at about 24 days in December. This decreases to 12 days in June and to 6 or 7 days in July and August.

The 1936-45 observations at Deception Creek show about two additional clear days and two fewer cloudy days per month in autumn and winter than are found in the Spokane or Kalispell averages. This difference may arise from classifying as clear or partly cloudy some of those days with high, thin (cirrus-type) clouds, through which the sun can shine.

Average sunshine occurrence in this area ranges from about 20 percent of maximum possible in December to near 80 percent in July. On open flat terrain (if it existed), the corresponding monthly total hours of sunshine would range from about 50 to 375. The annual regime, portrayed in figure 4, reflects the large decrease in cloudiness between June and July.

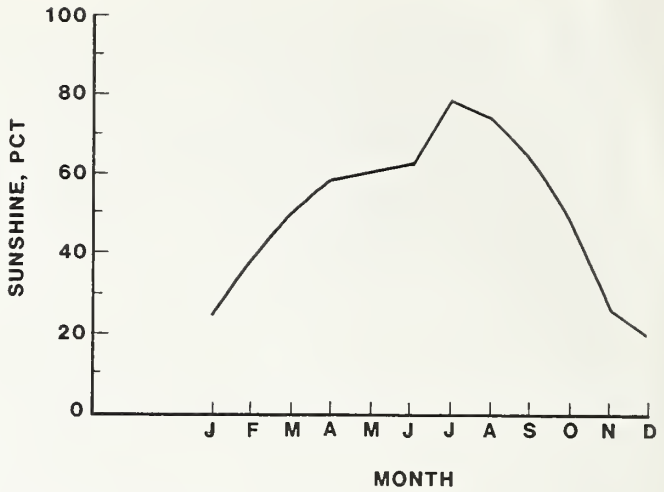

Figure 4—Monthly average percentage of maximum possible sunshine duration estimated for Deception Creek area. Interpolated from long records at Spokane, WA, and Kalispell, MT, and maps by Environmental Sciences Services Administration (1968).

Precipitation

Annual Regime—The long-term average annual precipitation at Deception Creek, based on the 50 years 1931-80, is about 56 inches (rain and melted snow). This estimate is several inches greater than the average during the relatively dry 1936-45 period of observation (table 2). Observed annual totals ranged from 37 inches in calendar year 1944 to 69 inches in 1945. The storage gage measurements (fig. 3C) gave a 20-year, 1955-74 average of 54 inches.

As indicated in table 2 and in figure 5, Deception Creek is much wetter than the neighboring valley stations at Coeur d'Alene and Kellogg, which have annual averages between 26 and 31 inches. About 42 inches occurs in the valley farther east at Wallace, ID. Deception Creek's heavy precipitation apparently includes much spillover from the nearby mountainous terrain, where precipitation increases may be expected from the forced lift of moist airflow (Schroeder and Buck 1970). (Spillover is an effect of winds aloft on precipitation trajectories.) Recordings from Wolf Lodge Summit for 2 complete years (December 1941 through February 1944) indicate 10 percent greater annual precipitation there than at the headquarters station.

The Deception Creek averages are approached and exceeded in the more general area of heavy precipitation near the Idaho-Montana border (the Bitterroot Divide). The former (1921-53) climatic station at Roland, ID, elevation 4,150 ft, 14 miles east-southeast of Wallace, has an estimated 1931-80 annual average of 54 to 55 inches.

The long-term average monthly totals at Deception Creek headquarters reach between roughly 7 and 9 inches during November through January, with the peak occurring in December. Averages during spring taper off from 4 inches in April to 3 inches in June, followed by a sharp decrease to 1 inch in July. An increase normally starts in August, leading to an average of 5 inches in October.

A listing of the monthly and annual precipitation for each year of Deception Creek's 1936-45 record is given in table 5 (appendix). Listings, covering a much longer period through 1985, are also given for Coeur d'Alene and Kellogg. Although these two stations are drier and data may be affected by site changes, they should give a general indication of the relatively wet and dry months and years in the Deception Creek area. There appears to be a good areal correlation of annual amounts. For the 9 complete years, 1937-45, the linear correlation coefficient r, obtained between the Deception Creek and Coeur d'Alene amounts, was 0.87; between Deception Creek and Kellogg, it was 0.92.

The 10-year monthly extreme totals at Deception Creek (table 5, appendix) ranged from zero in July 1945 to 14.02 inches in November 1937. The storage gage measurements during 1955-74, taken at approximately monthly intervals

Table 2—Monthly and annual average precipitation (Ppcn) and snowfall (Snow) at Deception Creek headquarters, as observed during period June 1936 to October 1945 and adjusted (see text) to 50 years, 1931-80. Comparative 1931-80 averages given for adjacent stations in Idaho panhandle; observed 50-year values except for indicated adjustments or estimates from shorter records. Estimates made for missing daily and monthly data. T denotes trace

Station and elevation (ft)		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
		Inches												
Deception Creek, 3,060														
Observed	Ppcn	5.14	5.80	5.34	4.52	3.64	3.25	0.77	1.01	2.92	4.76	6.18	8.36	51.69
1936-45	Snow	30.1	34.3	14.2	2.6	0.3	T	0	0	0	1.3	16.8	28.0	127.6
Adj. to 50 yrs	Ppcn	7.80	5.90	5.65	4.05	3.50	2.95	1.00	1.48	2.50	4.80	7.30	8.90	55.83
1931-80	Snow	47.5	27.5	17.0	2.5	0.3	T	0	0	T	2.0	22.2	40.8	159.8
Burke (2 ENE)[1]														
4,093	Ppcn	6.98	5.50	5.20	3.33	2.95	3.35	1.05	1.30	2.55	3.97	5.47	7.15	48.80
	Snow	65.0	46.0	39.0	12.5	5.0	0.1	0	0	0.1	4.0	27.0	53.0	251.7
Coeur d'Alene														
2,160	Ppcn	3.58	2.50	2.28	1.68	2.02	1.93	0.70	0.99	1.25	2.10	3.10	3.81	25.94
	Snow	19.3	10.5	3.9	0.3	T	0	0	0	0	0.2	4.7	13.5	52.4
Kellogg														
2,305	Ppcn[2]	3.95	2.95	2.83	2.33	2.37	2.31	0.89	1.07	1.70	2.64	3.46	4.13	30.63
	Snow	20.0	10.8	6.3	0.6	T	0	0	0	0	0.3	5.0	14.8	57.8
Kingston Ranger Sta.														
2,225	Ppcn[3]					2.21	2.15	0.78	1.11	1.77	2.40			[4]29.75
Magee Ranger Sta.														
2,997	Ppcn[5]						2.35	0.90	1.22	2.00				
Priest River Exp. For.														
2,380	Ppcn	4.28	3.10	2.75	2.01	2.28	2.31	0.99	1.15	1.59	2.82	4.03	4.86	32.17
	Snow	29.1	15.8	6.9	0.6	0.1	0	0	0	T	0.8	10.2	24.9	88.4
St. Maries														
2,145	Ppcn	4.09	2.93	2.68	2.08	2.02	2.08	0.77	0.99	1.35	2.37	3.51	4.27	29.14
	Snow	18.0	7.8	4.2	0.4	T	0	0	0	T	0.4	4.6	12.9	48.3
Sandpoint														
2,100	Ppcn	4.39	3.30	2.81	2.00	2.20	2.21	0.84	1.20	1.70	2.97	4.27	5.00	32.89
	Snow	25.6	15.8	7.2	0.8	T	0	0	0	T	0.7	7.1	21.4	78.6
Wallace														
2,770	Ppcn[6]	5.95	4.50	3.85	2.73	2.57	2.70	1.10	1.22	2.17	3.60	5.23	6.43	42.05
Wallace (2 NE), Woodland Park														
2,950	Ppcn	5.01	3.68	3.51	2.53	2.48	2.65	1.06	1.19	1.98	3.20	4.39	5.33	37.00
	Snow[7]	27.8	19.3	14.0	2.4	0.4	T	0	0	T	0.5	8.3	22.3	95.0

[1]Located 9 miles northeast of Wallace. Averages estimated from 1946-67 data.
[2]Adjusted for 4 or 5 years, 1966-70, when station was at airport (see text).
[3]Estimated from 1941-70 data.
[4]Estimated using Coeur d'Alene-Kellogg average ratio of May-October/annual precipitation.
[5]Estimated from 1963-72 data.
[6]Estimated from 1921-60 data.
[7]Slight adjustment made for incompatibly high 1931-40 snowfall averages.

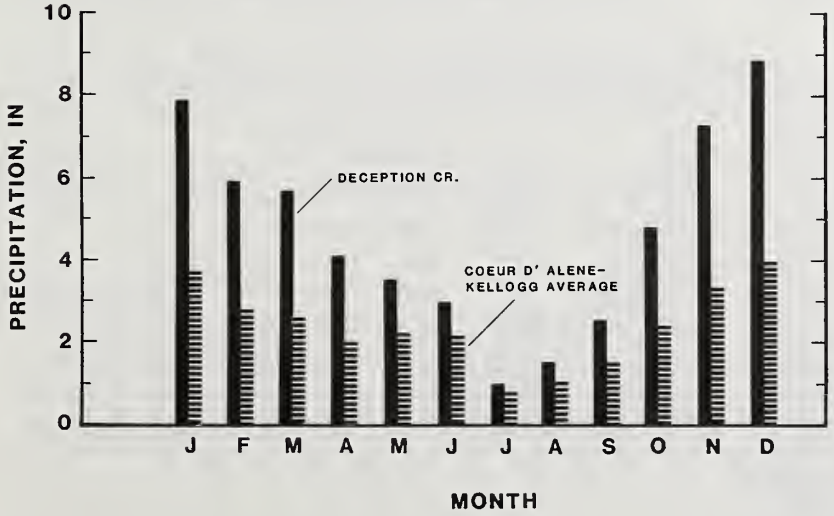

Figure 5—Average monthly precipitation, inches, at Deception Creek headquarters; adjusted to 50-year period 1931-80. Comparative average at adjacent Coeur d'Alene and Kellogg, ID (two-station average).

in a few of the years, show 19.20 inches precipitation in the 39 days from December 12, 1973, to January 20, 1974; 30.70 inches between November 13, 1973, and January 20, 1974. Coeur d'Alene received 8.94 inches and 14.62 inches during the respective periods.

Snowfall—The 50-year average annual snowfall at Deception Creek headquarters (table 2) is about 160 inches; like total precipitation, this is higher than the observed 1936-45 average. Seasonal snowfall during the 10 years of record ranged from 63 inches in 1939-40 to 208 inches in 1938-39. The 50-year monthly averages reach between 40 and 50 inches in December and January. Peak average snowfall occurs in January, when a larger portion of the total precipitation occurs as snow. Much of the winter precipitation still occurs as rain. Overall, snowfall contributes little more than 25 percent of the annual total precipitation at headquarters. The contribution should reach 50 percent at 5,000-ft elevations in the Experimental Forest vicinity (Finklin 1983b), with probably over 300 inches of snowfall. Near the Idaho-Montana border, the former station locations at Burke (2 ENE) and Roland, at only 4,100 to 4,150 ft, have average annual snowfall of close to 250 inches and 300 inches, respectively.

Snowpack—Snow cover at headquarters is usually continuous from sometime in November to late April. The snow attains an average seasonal maximum depth of between 5 and 6 ft, usually in February or March. A 1937-45 comparison indicates similar depths at headquarters and the nearby Lower Sands Creek snow-survey course until around March 1, but afterwards headquarters has lower depths and earlier melt. Snow usually lingers on the snow course through early May.

Snow survey data are summarized in table 3; data are included for Copper Ridge, on the Wolf Lodge Divide. Snowpack at the ridge location may reach an average seasonal maximum depth of 7 ft, which is somewhat greater than the maximum based on the fixed monthly snow survey dates. Here, the monthly values average greatest on the April 1 survey date, with snow depth 72 inches and water content 29 inches. A comparison in figure 6, with April 1 data at adjacent snow courses, further indicates that Deception Creek (Lower Sands Creek) is wet and snowy for its elevation. Its snow depth averages 56 inches, water content 21 inches. The greater precipitation on nearby ridges is shown particularly at Skitwish Ridge, where the April 1 average snowpack water content is 36 inches.

Extreme Daily Precipitation—During 1936-45, 24-hour precipitation at Deception Creek exceeded 2.00 inches on 11 occasions. Highest observed daily total was 4.17 inches on October 31, 1942. On that day, however, the total at Wolf Lodge Summit was just 1.87 inches. Wolf Lodge recorded 3.05 inches on April 1, 1942, on which day Deception Creek had 2.69 inches. In contrast, at Coeur d'Alene during the 50 years 1931-80, daily precipitation exceeded 2.00 inches only twice (tables 6 and 7, appendix). The extreme was 2.19 inches in January 1954.

Maximum 24-hour snowfall at headquarters during 1936-45 was 15 inches. A 2-day total reached 27 inches, observed in December 1937. Greatest 2-day total at Coeur d'Alene during 1931-80 was 19 inches in February 1955; at Priest River, 25 inches in January 1950.

Precipitation During Fire Season—The May through October precipitation at Deception Creek is plotted by 10 (or 11)-day periods in figure 7. The period averages are estimated from the already derived 1931-80 monthly averages; 10-day apportionment was interpolated from adjacent climatic stations for which 50-year, 10-day averages had been previously calculated.

The 10-day average precipitation appears to reach a late-spring maximum of about 1.20 inches during late May and early June. A minimum of 0.25 inches occurs during late July and early August. The irregularities seen in the autumn precipitation increase are found in the 50 years of actual data at the adjacent stations. This peculiarity may be an accidental effect related to precipitation's great variability.

The portrayed frequencies of daily and 10-day amounts (fig. 7) closely follow the trend of the averages—perhaps too closely, as they are estimates derived from a relationship with the averages. A frequency-versus-average diagram (Finklin 1983a) was drawn from the 1936-45 fire-season data (treated with 3-point smoothing) and then entered at the 1931-80 average values. The estimates, representing long-term probabilities, indicate that the chance of a 10-day accumulation ≥0.50 inch decreases from about 75 percent in late May and early June to 22 percent in late July and early August. It again reaches 75

Table 3—Snow survey data in Deception Creek area. Average snow depth and water content, inches, and snowpack density measured near first day of month; based on period 1951-85. Maximum and minimum amounts are those observed since 1937

Snow course and elevation	Survey date	Snow depth					Water content					Snowpack density[1]
		Average	Maximum		Minimum		Average	Maximum		Minimum		
		Inches	*Inches*	*Year*	*Inches*	*Year*	*Inches*	*Inches*	*Year*	*Inches*	*Year*	
Lower Sands Creek 3,120 ft	March 1	55	100	1956	12	1981	17.9	28.6	1974	4.1	1981	0.33
	April 1	56	89	1974	8	1940	21.0	33.9	1974	3.6	1940	.38
	May 1	37	73	1974	0	1981 +[2]	15.9	31.1	1964	0	1981 +	.43
Copper Ridge 4,820 ft	March 1	69	127	1974	21	1981	24.6	47.2	1974	7.6	1981	.35
	April 1	72	107	1949	17	1981	28.6	45.9	1949	3.6	1981	.40
	May 1	53	94	1950	0	1981 +	24.6	43.4	1972	0	1981 +	.46

[1]Snowpack density is equal to water content divided by snow depth.
[2]+ Denotes occurrence of same value in earlier years.

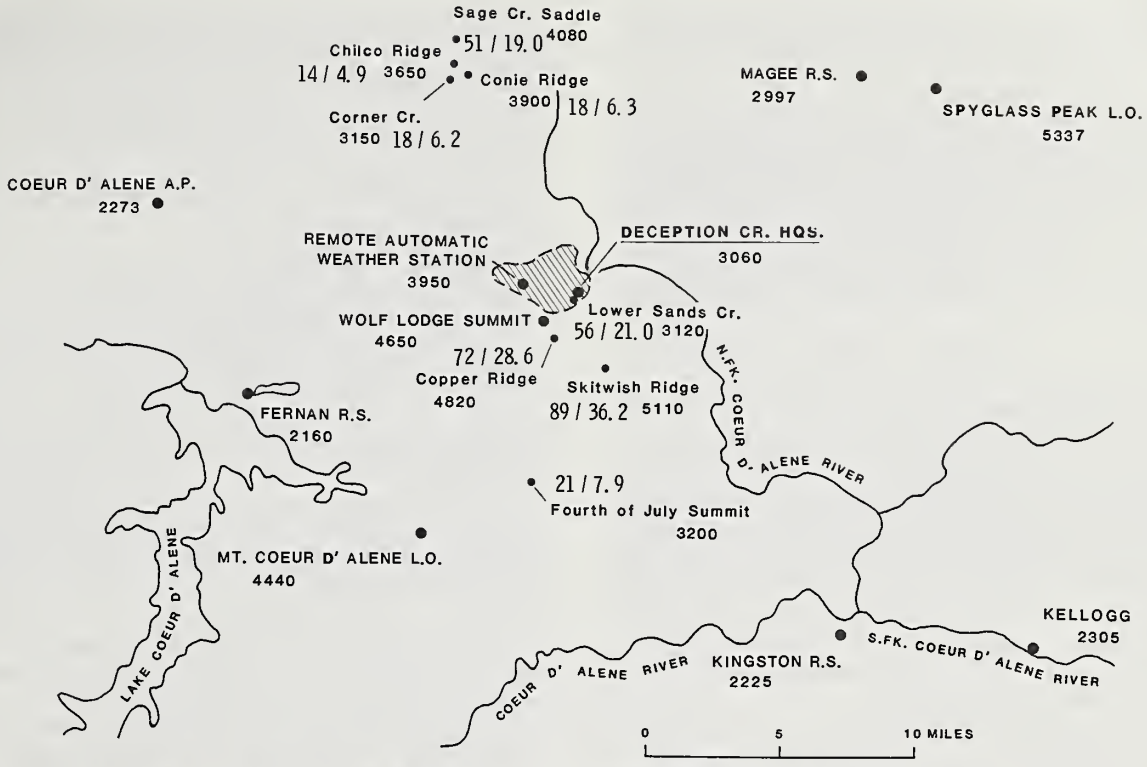

Figure 6—Average snow depth (number to left of slash) and water content, inches, on about April 1 at snow-survey courses in Deception Creek vicinity; based on or adjusted to 35 years 1951-85.

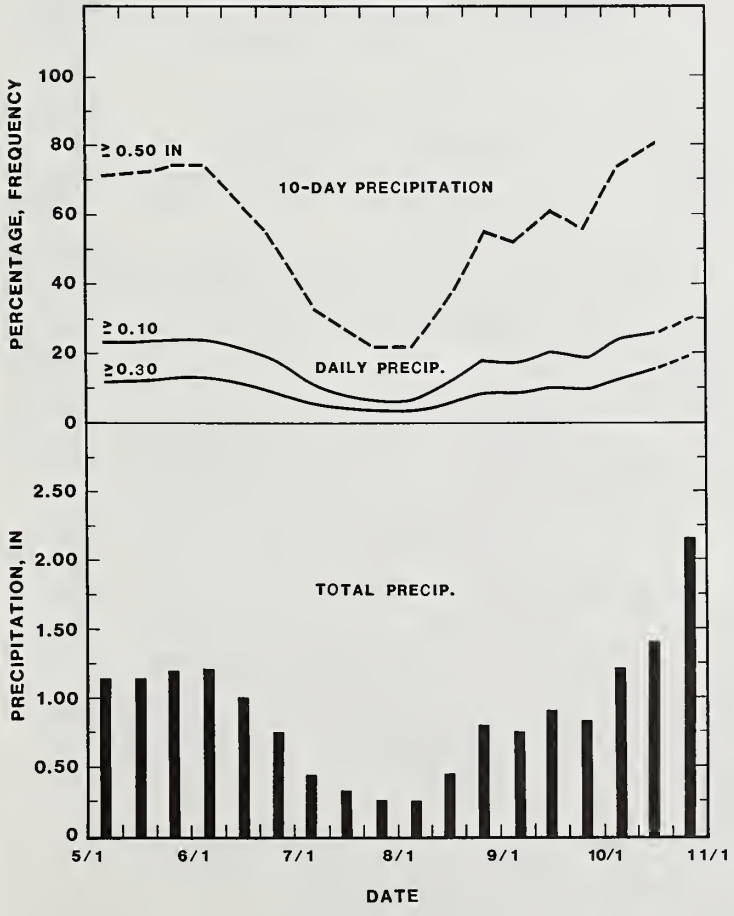

Figure 7—Precipitation, inches, by 10 (or 11)-day periods during May to October at Deception Creek headquarters; adjusted and estimated for 50-year period 1931-80 from mostly 1936-45 data (see text). Lower panel: Average totals. Upper panel: Percentage frequency of specified daily and 10-day amounts.

percent in early October. Chance of daily rainfall ≥0.10 inch correspondingly varies between 25 percent and 6 percent.

Statistical details of the observed fire-season precipitation are given in table 6 (appendix). As previously indicated, the 10-year Deception Creek data should not be quoted for long-term representation. Details covering the entire year are included for Coeur d'Alene. These are based on 50 years but represent a much drier location. Frequencies of various daily amounts are shown in table 7 (appendix).

July and August precipitation averages in the Coeur d'Alene National Forest area are mapped in figure 8. As was indicated in figure 5, the summertime amounts at Deception Creek headquarters are only slightly above those at the adjacent stations. The averages show a slight elevational increase between the ranger stations and their nearby lookouts. This was also found in other parts of Idaho (Finklin 1983b, 1983c). Such an increase is probably also characteristic in the Deception Creek area, based on the available data from Wolf Lodge Summit. July-August precipitation for 4 years (1942, 1943, 1948, and 1949) was 9 percent greater at Wolf Lodge, averaging 3.39 inches versus 3.11 inches at headquarters.

No such elevational increase was recorded at the Deception Creek RAWS site, where precipitation data were available only during July to mid-October 1984. During this period, the RAWS accumulation totaled only one-half of that at headquarters (2.27 inches versus 4.39 inches). For such a discrepancy, we can suspect random factors in the short period of record and possible gage deficiency. Greater wind at the more exposed RAWS site may have reduced some of the gage catch (Linsley and others 1958; Brown and Peck 1962). Most of the precipitation occurred in September and October, but there appears to have been little snow involved at RAWS. The RAWS gage, of a tipping-bucket type, is not suitable for collection of snow. The recording gage at Wolf Lodge Summit, of a universal weighing type, was in a wooded location and apparently sheltered from the wind.

Thunderstorms—June, July, and August are normally the peak months of lightning (thunderstorm) activity in the Idaho panhandle. This section will cover only July and August, the months of greatest storm data availability from lookouts and greatest occurrence of lightning-caused fires.

Observations from Mount Coeur d'Alene and Spyglass Peak indicate an average of 6 or 7 thunderstorm days during July and August combined. This average refers to storms within about a 20-mile radius. In individual years, during about 20 years of record, the number of July-August thunderstorm days ranged from a minimum of one or two to a maximum of 12 (at Spyglass in 1961).

The more detailed Mount Coeur d'Alene observations show that 25 percent of 92 tabulated storms began between midnight and noon (0000-1159 P.s.t.), 75 percent between noon and midnight (1200-2359). We have arbitrarily defined individual storm cases by at least 3 hours time separation between reported lightning or thunder occurrence. One-half of these storms (51 percent) began during the 6-hour period 1600-2159 P.s.t., with 26 percent during a peak 2-hour period from 1900 to 2059 P.s.t.

The Lightning Activity Level (Deeming and others 1977) may reach "5" in 12 percent of the July-August storms.

Figure 8—Average precipitation, inches, during July (top number) and August (bottom number), based on or adjusted to 50-year period 1931-80.

This is based on maximum 15-minute counts of cloud-to-ground lightning observed from Mount Coeur d'Alene during 1960-70, in 50 available cases (data on file at the Intermountain Fire Sciences Laboratory). The level was a milder "2" in 62 percent of these storms and "3" in 20 percent.

Precipitation Trends—Precipitation trends or fluctuations during the past 70 years, in the area adjacent to Deception Creek, are indicated in figure 9 using successive 5-year averages. Derivation is described in the figure legend. The graph of annual precipitation shows the extended dry period that covered the 1920's through the early 1940's. The 5-year averages for 1921-25 and 1926-30 were 86 to 87 percent of the 50-year (1931-80) average. Alternating wet and dry periods have occurred following a recovery in the later 1940's, but little overall trend is suggested since 1950.

The annual precipitation behavior is reflected somewhat in the winter season graphs (for November-December and January-February), though these exhibit greater swings or percentage deviations from the long-term average. The late spring (May-June) and summer (July-August) graphs also show dry conditions in the 1920's and 1930's, but autumn (September-October) precipitation was generally above average during the 1930's. Many opposing fluctuations are seen between the different seasons. May-June precipitation shows a 1941-45 peak amounting to 130 percent of average, while January-February and July-August amounts were less than 70 percent of average. More recently, the summer precipitation reached 172 percent of average during 1976-80, while September-October precipitation bottomed at 65 percent.

Temperature and Relative Humidity

Annual Regime, Temperature—The course of monthly average temperatures at Deception Creek headquarters is portrayed in figure 10. The adjusted, 50-year average maximums range from 29 °F in January to 81 °F in July. The corresponding minimums range from 16 to 43 °F.

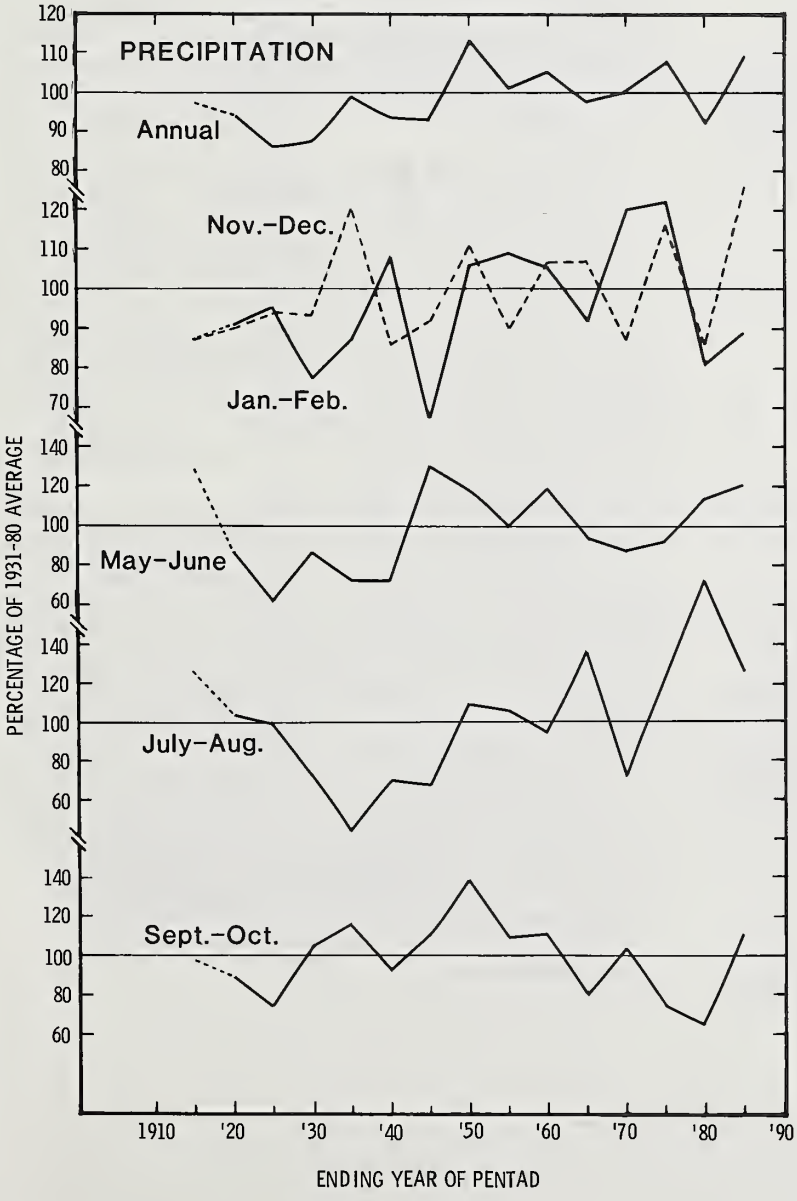

Figure 9—Fluctuations of annual and seasonal precipitation since 1910's in northern Idaho area adjacent to Deception Creek; shown by successive 5-year (pentad) averages for periods 1911-15 through 1981-85, plotted at ending years of periods. Values are given in percentages of 50-year, 1931-80, average precipitation. Based on weighted averaging of percentages obtained for each of five stations: Coeur d'Alene, Kellogg, St. Maries, Sandpoint, and Priest River. Designating these station percentages as letters A through E, respectively, formula employed for averaging was $\frac{1}{2}\{\frac{1}{2}(A+B) + \frac{1}{4}(A + B + C + \frac{1}{2}[D+E])\}$. Only B, D, and E were available for 1911-15 segment (short-dashed line). The averaging may smooth out data nonhomogeneities at the individual stations, but adjustment was made for the Kellogg data during 1966-70 (see text).

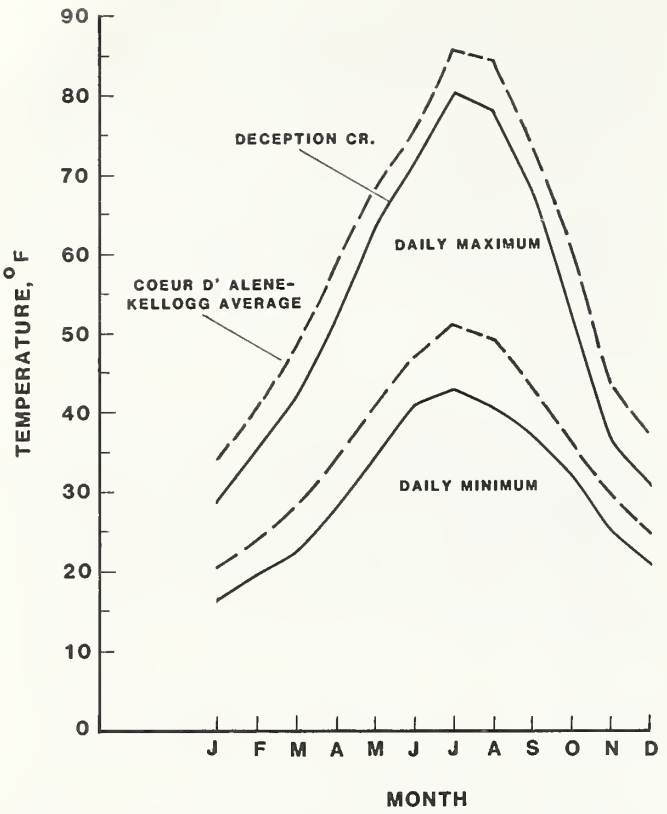

Figure 10—Average daily maximum and minimum temperatures, degrees Fahrenheit, annual regime, at Deception Creek headquarters (solid line), adjusted to 50-year period 1931-80; based on 1936-45 data, for 24 hours ending about 1630 P.s.t. Comparative averages observed at adjacent stations, Coeur d'Alene Ranger Station and Kellogg (two-station average) (dashed line).

Based on a 24-hour period ending at about 1630 P.s.t., the averages may run 1 or 2 °F higher than those based on the actual calendar day, particularly for spring and summer maximums (Finklin 1983a).

A comparison between Deception Creek and Coeur d'Alene-Kellogg graphs (fig. 10) shows generally parallel courses, though Deception Creek averages about 6 °F cooler overall. The elevation difference is only 800 to 900 ft. Temperature differences are greatest for July-August minimums, which average about 8 °F lower at Deception Creek. The cool summer nights here are associated with temperature inversions that are typical in fair weather. The sheltered ravine-bottom clearing favors ponding of cool-air drainage (Schroeder and Buck 1970; MacHattie and Schnelle 1974).

The annual mean temperature at Deception Creek is 42 °F. This represents an arithmetic average of the maximum and minimum values. Details of the monthly averages here and at adjacent stations are given in table 4. Monthly mean temperatures similar to those at Deception Creek are indicated during the fire season at the former Magee Ranger Station, with slightly higher maximums and slightly lower minimums. At the former Honeysuckle Ranger Station site, in July and August both maximum and minimum temperatures may average 1 or 2 °F higher than at nearby headquarters. This is indicated by respective 1933-35 and 1936-38 "difference-method" comparisons with five long-term stations.

The monthly and annual mean temperatures are listed in table 8 (appendix) for each year of record at Deception Creek (1936-45), Coeur d'Alene, and Kellogg. Statistical summaries pertaining to the maximum and minimum temperatures are given in table 9 (appendix). Corresponding frequency distributions of daily values are given in table 10 (appendix).

Daily Extremes—Extreme temperatures at Deception Creek headquarters over a 50-year period may range from about −40 to 103 °F. In the 1936-45 record, observed values ranged from −36 °F in February 1936 to 98 °F in July 1941. The Honeysuckle Ranger Station reached 103 °F in July 1934. On the same day Coeur d'Alene and Kellogg had 108 and 109 °F, respectively. Coeur d'Alene and Kellogg had 109 °F and 111 °F, respectively, in August 1961.

Frost-free Period—The Deception Creek headquarters area is subject to frost even in midsummer. During 1936-45, minimum temperatures of 32 °F or lower occurred in July (as late as July 31) in five of the years; in August (as early as August 3), in eight of the years. The 10-year average date of the last killing frost (28 °F minimum or lower) in spring was May 19. The date of the first killing frost in autumn was October 1. In individual years, however, these dates varied from April 29 to June 9 and August 28 to November 12, respectively. Honeysuckle Ranger Station had a 28 °F temperature as early as August 16 in 1935.

Adjusted to a longer, 50-year period of record (1931-80), the average killing frost dates at headquarters are about May 21 and September 23. This frost-free period thus averages 125 days, or about 1 month shorter on each end than the Coeur d'Alene and Kellogg average (April 20 and October 18). It is fairly similar to the 50-year average at Priest River Experimental Forest headquarters, May 11 to September 24. An apparently shorter frost-free season occurs at the Magee Ranger Station site, as reflected in the low average summertime minimum temperatures (table 4).

The frost-free periods for 28 °F and 32 °F thresholds may be 1 to 2 months longer under a full timber canopy in bottom locations, as indicated at Priest River (Finklin 1983c), and also on nearby slopes with their thermal-belt conditions (Schroeder and Buck 1970). No findings for Deception Creek slope areas can be drawn from the limited RAWS data.

Table 4—Monthly average temperatures, degrees Fahrenheit, at Deception Creek headquarters, as observed during period January 1936 to November 1945 and adjusted (Adj.) to 50 years 1931-80; based on 24-hour period ending about 1630 P.s.t. Mean is arithmetic average of maximum and minimum values. Comparative 1931-80 averages given for adjacent stations in Idaho panhandle; observed 50-year values except for indicated adjustments or estimates. Station elevations shown in table 2

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Deception Creek														
Observed	Max	29.1	34.2	42.6	52.9	64.4	70.8	81.8	79.0	69.7	55.1	36.8	32.5	54.1
1936-45	Min	15.7	17.2	22.0	28.1	35.2	41.3	43.8	40.3	38.0	34.0	24.8	22.0	30.2
	Mean	22.4	25.7	32.3	40.5	49.8	56.1	62.8	59.7	53.9	44.6	30.8	27.3	42.2
Adj. to 50 yrs	Max	28.8	35.1	41.1	50.9	63.4	71.5	80.6	78.2	68.8	53.0	36.8	31.1	53.3
1931-80	Min	16.4	19.8	22.1	27.7	34.9	41.5	43.2	41.4	37.5	32.8	25.4	21.2	30.3
	Mean	22.6	27.5	31.6	39.3	49.2	56.5	61.9	59.9	53.2	42.9	31.1	26.2	41.8
Burke (2 ENE)[1]														
	Max	28.7	34.6	39.7	48.0	58.8	67.2	77.1	75.0	65.1	52.5	36.8	31.2	51.2
	Min	17.1	20.2	22.5	28.0	32.9	39.6	44.8	43.7	38.7	32.1	25.0	20.4	30.4
	Mean	22.9	27.4	31.1	38.0	45.9	53.4	61.0	59.4	51.9	42.3	30.9	25.8	40.8
Coeur d'Alene														
	Max	34.4	40.5	47.9	58.9	68.9	75.6	86.0	85.3	75.3	60.9	44.4	37.3	59.6
	Min	21.1	24.0	27.8	34.0	41.2	47.8	52.3	51.1	44.5	37.4	30.1	26.1	36.5
	Mean	27.8	32.3	37.9	46.5	55.1	61.7	69.2	68.2	59.9	49.2	37.3	31.7	48.1
Kellogg[2,3]														
	Max	34.3	40.9	47.8	58.5	68.3	75.1	85.6	84.2	74.4	60.4	44.0	37.0	59.2
	Min	20.0	24.2	28.5	34.4	41.1	47.3	50.7	48.8	43.0	35.9	29.0	24.5	35.6
	Mean	27.2	32.6	38.2	46.5	54.7	61.2	68.2	66.5	58.7	48.2	36.5	30.8	47.4
Kingston Ranger Sta.[4]														
	Max						75.0	84.4	83.7	74.8				
	Min						43.8	46.2	44.8	40.2				
	Mean						59.4	65.3	64.3	57.5				
Magee Ranger Sta.[5]														
	Max						71.8	82.0	81.0	71.7				
	Min						40.5	41.0	39.0	35.7				
	Mean						56.2	61.5	60.0	53.7				
Priest River Exp. For.														
	Max	30.1	37.1	45.0	56.9	67.1	73.4	82.8	81.6	71.6	56.6	39.1	32.5	56.2
	Min	17.5	20.2	24.1	30.1	37.6	43.9	46.5	44.7	39.1	32.9	26.7	22.6	32.2
	Mean	23.8	28.7	34.6	43.5	52.4	58.7	64.7	63.2	55.4	44.8	32.9	27.6	44.2
St. Maries														
	Max	34.7	41.7	49.2	59.8	69.3	76.0	86.2	85.2	75.8	61.6	44.4	37.3	60.1
	Min	20.5	24.5	27.9	33.5	40.3	46.1	49.1	47.0	41.3	35.2	29.0	25.0	35.0
	Mean	27.6	33.1	38.6	46.7	54.8	61.1	67.7	66.1	58.6	48.4	36.7	31.2	47.6
Sandpoint														
	Max	31.5	37.7	45.2	57.0	66.6	72.9	81.9	80.7	70.6	56.9	41.3	34.6	56.4
	Min	19.6	23.0	27.2	33.8	40.3	46.0	48.4	46.8	41.3	34.5	28.4	24.2	34.5
	Mean	25.6	30.4	36.2	45.4	53.5	59.5	65.2	63.8	56.0	45.7	34.9	29.4	45.5
Wallace (2 NE), Woodland Park[3]														
	Max	32.9	38.9	44.7	54.8	64.3	71.0	81.5	80.3	70.8	58.4	42.7	35.7	56.3
	Min	17.9	21.6	24.9	31.6	37.8	43.7	47.0	45.8	40.1	34.1	27.2	22.6	32.9
	Mean	25.4	30.3	34.8	43.2	51.1	57.4	64.3	63.1	55.5	46.3	35.0	29.2	44.6

[1]Averages estimated from 1949-67 data.
[2]Averages adjusted for 4 or 5 years, 1966-70, when station was at airport (see text) and for 1 or 2 years missing data, 1973-74.
[3]Averages based on 24-hour period ending about 0800 or 0900 P.s.t.
[4]Averages estimated from 1951-70 data.
[5]Averages estimated from 1963-72 data.

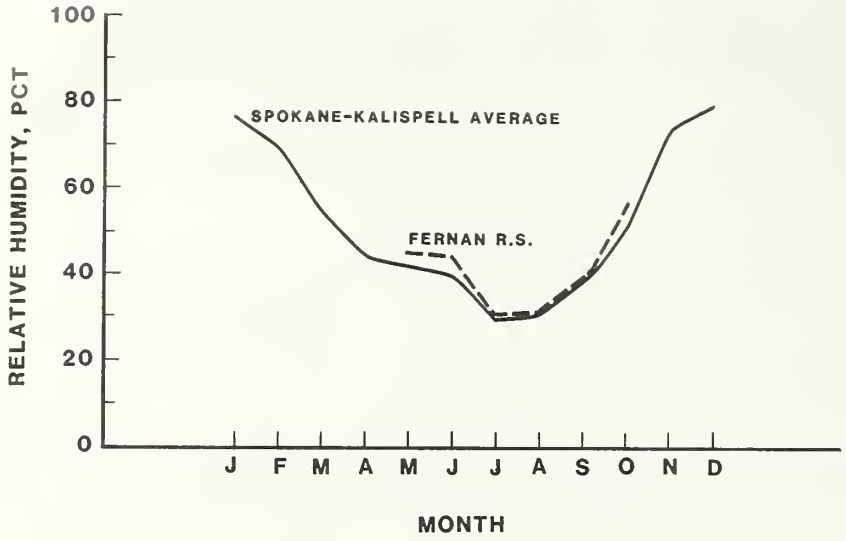

Figure 11—Annual pattern of afternoon relative humidity adjacent to Idaho panhandle area, shown by average of Spokane, WA, and Kalispell, MT, airport data at 1600 P.s.t. (1700 m.s.t), based on 1960-82. Comparative May through October 1500 P.s.t. averages at Fernan Ranger Station based on 1951-80.

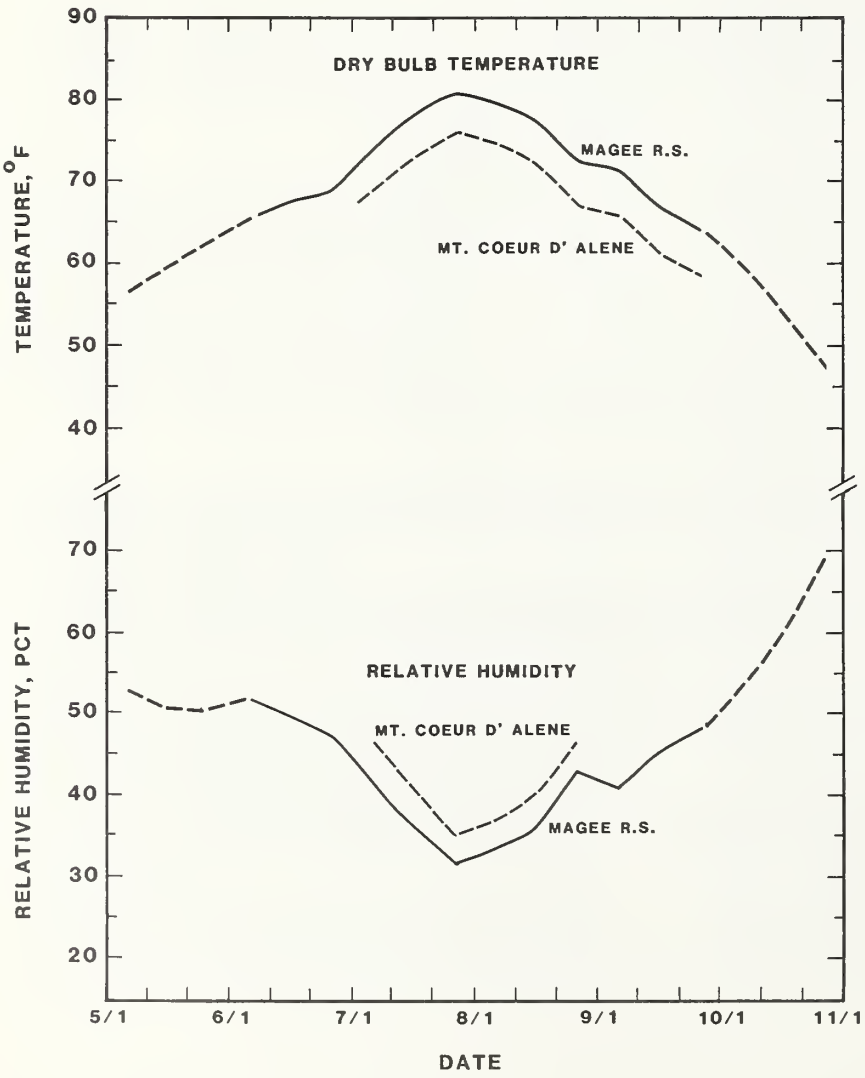

Figure 12—Average dry bulb temperature and relative humidity at 1500 P.s.t., by 10 (or 11)-day periods, plotted at middle of periods. Based on data adjusted to 30 years 1951-80 and adjusted for change in observation time to 1200 beginning in 1974. For Magee Ranger Station, elevation 3,000 ft, and Mount Coeur d'Alene Lookout, elevation 4,400 ft. Dashed portion of Magee curve denotes extrapolation based on data from Fernan Ranger Station and Kingston Ranger Station.

Annual Regime, Relative Humidity—The general yearly course of afternoon relative humidity is indicated in figure 11, with the aid of adjacent airport station data. Actual values at Deception Creek are most likely higher than those portrayed—they are definitely higher than those at Fernan Ranger Station during the fire season (as shown in a following section). The mid- or early-afternoon humidity at Deception Creek should average 80 percent or higher during the wet months of November, December, and January. This average decreases to about 50 to 55 percent in May and June, and to below 40 percent in July and August. Because of local shading and related radiational cooling (Schroeder and Buck 1970), however, fair-weather humidity values at headquarters typically exhibit a large rise by 1700 P.s.t. in August.

In the bottom area, relative humidity around dawn probably averages at least 90 to 95 percent throughout the year. This would be somewhat higher than the 4-year (1949-52) average values at 0400 P.s.t. shown for the Coeur d'Alene airport (Pacific Northwest River Basins Commission 1968), which range from 75 percent in July to 91 percent in December. Daily maximum humidity at Deception Creek headquarters, from a hygrothermograph of uncertain accuracy, averaged between 98 and 100 percent for the months May through October 1940-45.

Temperature and Relative Humidity During the Fire Season—Ten-day average midafternoon dry bulb temperature and relative humidity are portrayed in figure 12 for elevations near 3,000 ft and 4,500 ft. Interpolation may be made for intermediate elevations. In deriving the figure, adjusted 1963-72 averages from Magee Ranger Station were utilized rather than the data from Deception Creek headquarters. Magee was judged to be more broadly representative of a 3,000-ft location, as a starting point for interpolations, than is Deception Creek.

In figure 12, the largely temperature-dependent relative humidity (Schroeder and Buck 1970) follows almost a mirror image of the seasonal course of dry bulb temperature. Further, the relative humidity trend corresponds closely with that of average precipitation (fig. 7). For an open slope location at 4,000 ft, figure 12 gives estimated relative humidity averages ranging from about 55 percent in early June to 35 percent in late July and early August, to over 50 percent in late September. Midafternoon dry bulb averages peak at 77 to 78 °F.

Available station averages of summer afternoon dry bulb temperature and relative humidity are mapped in figure 13. Comparisons between the ranger stations and lookouts indicate an overall temperature lapse rate of about 4.0 °F per 1,000 ft. Relative humidity shows an elevational increase of 3.5 to 4.0 percent per 1,000 ft.

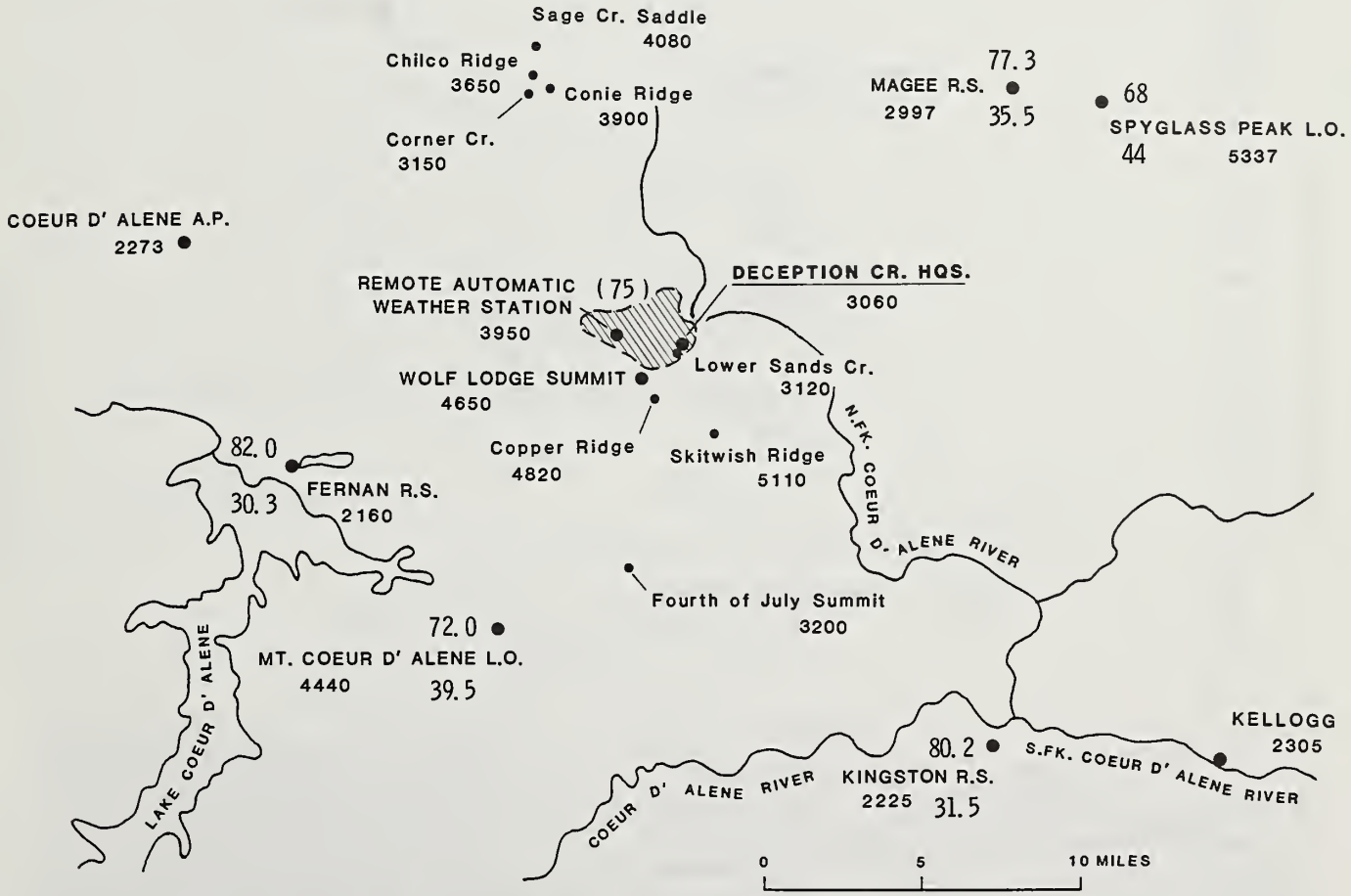

Figure 13—Average July-August dry bulb temperature, degrees Fahrenheit (top or only number) and relative humidity, percent (bottom number), at 1500 P.s.t.; based on or adjusted to 20 years 1951-70. Value in parentheses is an estimate based on 1 year.

Afternoon Shading Effects at Deception Creek—Figure 14 portrays the cooling effect of afternoon shading at the sheltered Deception Creek headquarters site, and it indicates the difficulty in adjusting the original 1630 P.s.t. averages to those for midafternoon (1500). As the fire season progresses and shading occurs earlier, an increase is found in the average differences between the 1630 Deception Creek and Fernan dry bulb readings. During 1939-45 these differences increased from 6 °F in June to 9 or 10 °F in August, and to 12 °F in September. The average differences in maximum temperatures, occurring earlier in the day, held generally between 6 and 8 °F.

Average relative humidity at 1630 P.s.t. exhibits a more remarkable seasonal trend, with a large rise noted at headquarters. The Deception Creek-Fernan humidity difference (fig. 14) increased from about 8 percent in June to 20 percent in mid-August, and to 30 percent by mid-September. Daily-minimum relative humidity differences are smaller but, even so, averaged about 15 percent in September.

A similar tendency was found in a comparison of headquarters and RAWS data for 1984 (Finklin 1985). Daytime minimum relative humidity recorded at headquarters averaged 4 percent lower than the RAWS values during July, 1 percent lower in August, and 3 percent higher in September. This minimum averaged 19 percent higher at headquarters than at RAWS during a 2-week period of fair weather from late September to October 10, with the excess reaching 30 to 40 percent on six of the days. Maximum temperatures at headquarters, compared with those at RAWS, averaged 3 °F higher during July and 1 °F higher in August, but 7 °F lower during the early-autumn spell of fair weather; they were 10 to 16 °F lower on five of these days. During cool, stormy periods of 4 or 5 days, both preceding and following this fair weather, headquarters maximum temperatures averaged 5 °F higher than those at RAWS.

In contrast to the Deception Creek-Fernan comparison, figure 14 shows that differences between Magee and Fernan at 1500 P.s.t. held fairly steady throughout the fire season. This was also found between RAWS and Fernan during 1984 in a comparison of 1200 or 1300 P.s.t. data.

An even earlier afternoon shading effect may have occurred at the Honeysuckle Ranger Station site. The 1933-35 data show that by 1700 P.s.t., the dry bulb temperature averaged 9 °F below the daily maximum temperature in July and 12 °F below the maximum in August.

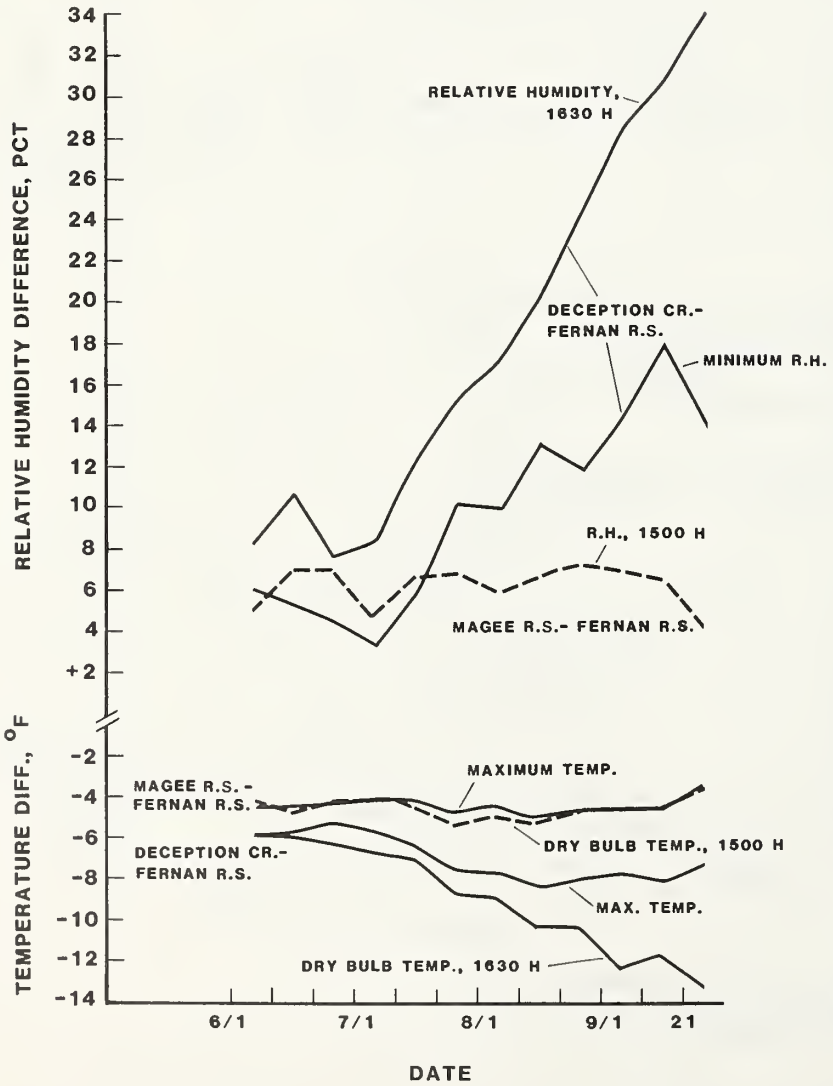

Figure 14—Differences in 10 (or 11)-day average temperatures, degrees Fahrenheit, and relative humidity (RH), between Deception Creek headquarters and Fernan Ranger Station; based on 5 to 7 years during 1939-45 (observations at 1630 P.s.t.), except minimum relative humidity is based on 2 or 3 years. Comparative differences between the Magee and Fernan Ranger Stations are based on mostly 10 years, 1963-72 (observations at 1500 P.s.t.).

Corresponding afternoon temperature decreases at Deception Creek during 1936-37 (before a change to 1630 P.s.t. observations in 1938) averaged just 6 °F in July and 9 °F in August; 13 °F in September.

Frequencies of Specific Values—The frequency or probability of specified midafternoon dry bulb and relative humidity values may be estimated from figure 15. Percentages shown, for the 3,000-ft and 4,500-ft locations, were adjusted from those observed during shorter periods of record. These adjustments were aided by the use of frequency-versus-average diagrams (Finklin 1983a).

Interpolating from figure 15, for an open slope location at 4,000 ft, the long-term frequency of midafternoon humidity less than 30 percent ranges from about 6 percent during May and early June to 50 percent in late July, falling to 10 percent in late September.

Summary Tables—Statistical summaries and frequencies of observed dry bulb temperature and relative humidity data (unadjusted) are given in tables 11 (appendix) and 12 (appendix), respectively. Where possible, the period 1951-70 has been used for the mainly 1500 P.s.t. observation time. The summarized lookout data, limited to July and August, are subject to a bias, which gives too high an average dry bulb and too low an average relative humidity in both early July and late August (Finklin 1983a). This results from an often shorter operational season for lookouts, and consequent missing data, in years with cool, moist (low fire danger) conditions.

Separate summaries for 1200 P.s.t. covering the 1974-84 period are presented for Fernan Ranger Station. A comparison shows generally lower average dry bulb and higher average relative humidity than during 1951-70, particularly in July and August. In these months, overall, the 1974-84 dry bulb averages 4 or 5 °F lower and the relative humidity averages 10 percent higher. A similar characteristic has been found by the senior author elsewhere in the northern Rocky Mountain area. About one-half of these differences may represent a generally cooler, moister regime in recent years, but the other half may be the effect of an earlier observation time. Caution is thus needed in interpreting the recent statistics for long-term and midafternoon application.

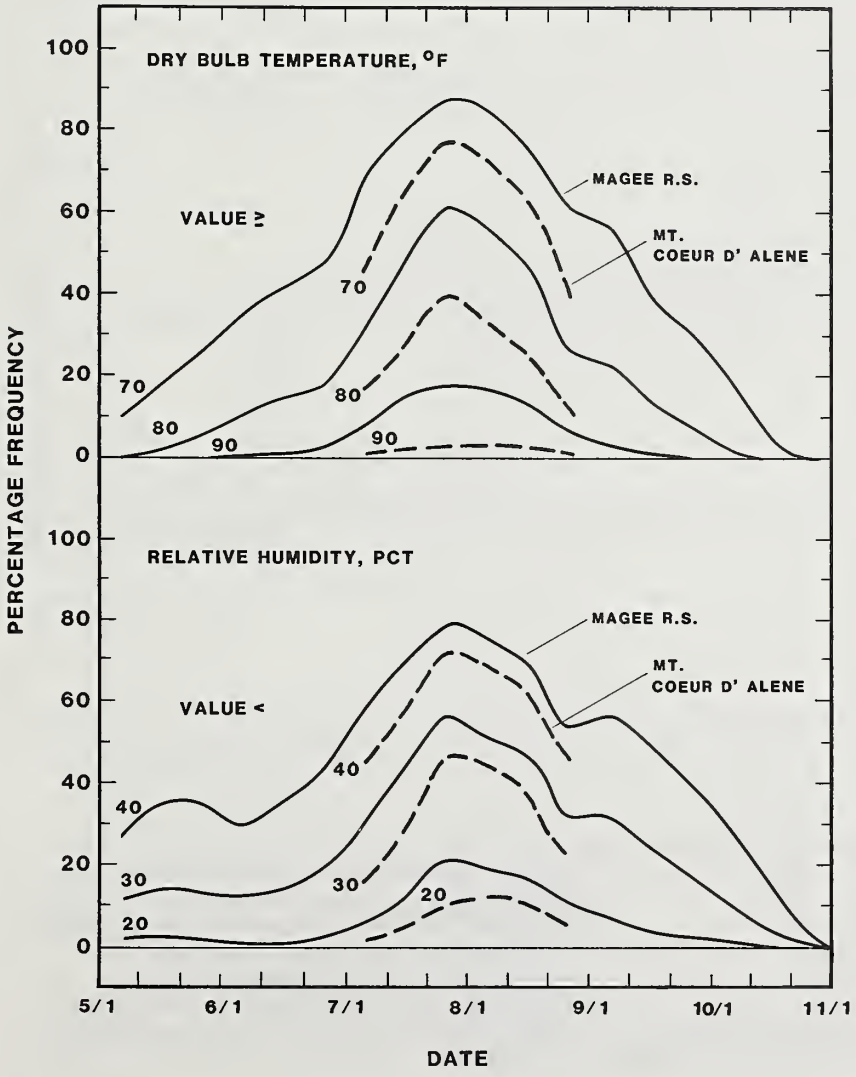

Figure 15—Frequencies of specified dry bulb temperature and relative humidity at 1500 P.s.t., by 10 (or 11)-day periods, plotted at middle of periods. Based on data adjusted to 30 years 1951-80 and relationship between average values and frequencies. For stations as in figure 12.

Diurnal Variation—The daily course of temperature and relative humidity at a slope location is depicted in figure 16. The curves, based on transmitted hourly RAWS data during 1984, apply to fair-weather days, when diurnal variations are of most interest to fire managers. Greater daily ranges and extremes can generally be expected at bottom locations, as shown for Priest River (Finklin 1983c). This was true at Deception Creek headquarters with respect to nighttime conditions in 1984, with headquarters cooler and more moist than RAWS. On the 32 July and August days represented in figure 16, headquarters minimum temperatures averaged 6 °F lower than those at RAWS and were as much as 12 °F lower. Maximum relative humidity at headquarters averaged 18 percent higher than at the RAWS site and was as much as 40 percent higher. As already noted, however, afternoon conditions were not consistently more extreme (warmer and drier) at headquarters than at RAWS, particularly in late season.

Figure 16 shows the shorter daytime period of low humidity in late season (past mid-September). The RAWS minimum relative humidity then occurs around 1400 P.s.t., compared with 1600 in July-August. The RAWS July and August temperatures at 1200, on fair days, average 2 °F lower than those at 1500, the former fire-weather observation time. Corresponding relative humidity averages 4 percent higher at the earlier hour.

Temperature Trends—Temperature trends or fluctuations during the past 70 years are indicated in figure 17. As calculated from the adjacent station data, the 5-year annual mean temperatures rose about 2 °F from the 1910's to 1936-40, when the mean peaked at 0.7 °F above the 1931-80 average. A subsequent decrease to about 0.9 °F below average occurred during 1946-50, followed by a rise to 0.4 °F above average during 1966-70 and a decrease to 0.7 °F below average most recently (during 1981-85). Little overall change is apparent, however, since the early 1930's. The 5-year means can, of course, smooth considerably the deviations that occur in individual years (table 8, appendix).

Graphs for the various seasons exhibit some greater fluctuations than those of annual temperature and, like those of seasonal precipitation (fig. 9), these may follow opposite directions. The 5-year means were relatively low for all seasons during the 1910's (and for autumn and winter through the 1920's), and they generally followed the 1936-40 peak, 1946-50 dip, and 1966-70 peak of the annual graph. A notable exception is the below-normal mean during winter 1936-40. Overall warming since the 1910's has amounted to 2 °F for May-June and apparently 3 °F

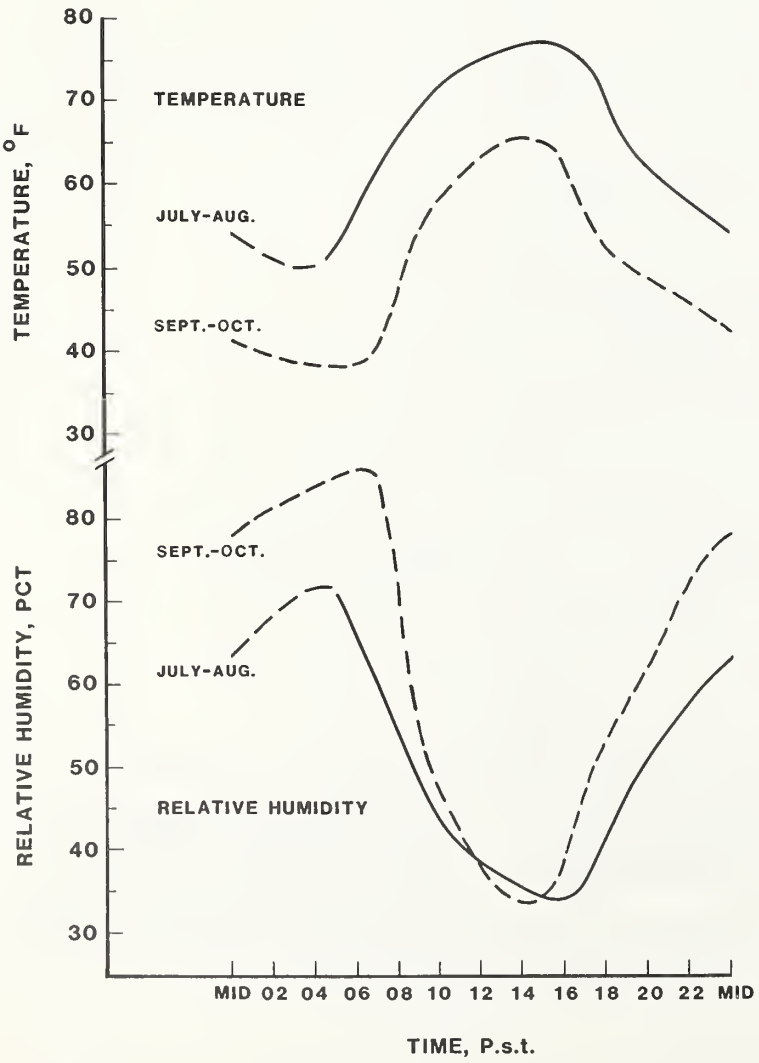

Figure 16—Average diurnal course of temperature and relative humidity on fair-weather days at Deception Creek RAWS site, 1984. July-August curves are based on 32 generally alternate days (16 each month); September-October curves (dashed line), on 10 available days between September 15 and October 10. Dashed portion of July-August curves is estimated due to missing data.

for July-August. Except for an upturn in winter, however, little long-term trend is suggested to date since 1930.

Wind

Throughout the year, the general wind over the Idaho panhandle, governed by large-scale air-pressure patterns (Schroeder and Buck 1970), is most often from the southwest or west. Significant variations in flow pattern can, of course, be expected between individual days and over longer periods. Windspeeds in the free atmosphere tend to be highest in winter and lowest in summer. Winds near the ground, influenced by topographic features and surface friction, may differ greatly with location and also with time of day.

Prevailing wind directions listed by the U.S. Weather Bureau (1936) are from the south every month of the year at Gibbs (Coeur d'Alene), southwest at Kellogg and Sandpoint, and mostly west at St. Maries. In the open prairie area at Coeur d'Alene airport, 6 years of data from all hours of the day (Pacific Northwest River Basins Commission 1968) show wind directions clustered mainly between southeast and west-southwest and between north and northeast. The monthly average (24-hour) windspeeds were all between 7 mi/h (during June through November) and 8 mi/h. An average of 1 to 2 mi/h was observed throughout the year (measured 8 ft above ground) at the sheltered Priest River headquarters (Finklin 1983c). Windspeed data for Deception Creek are limited to the fire season.

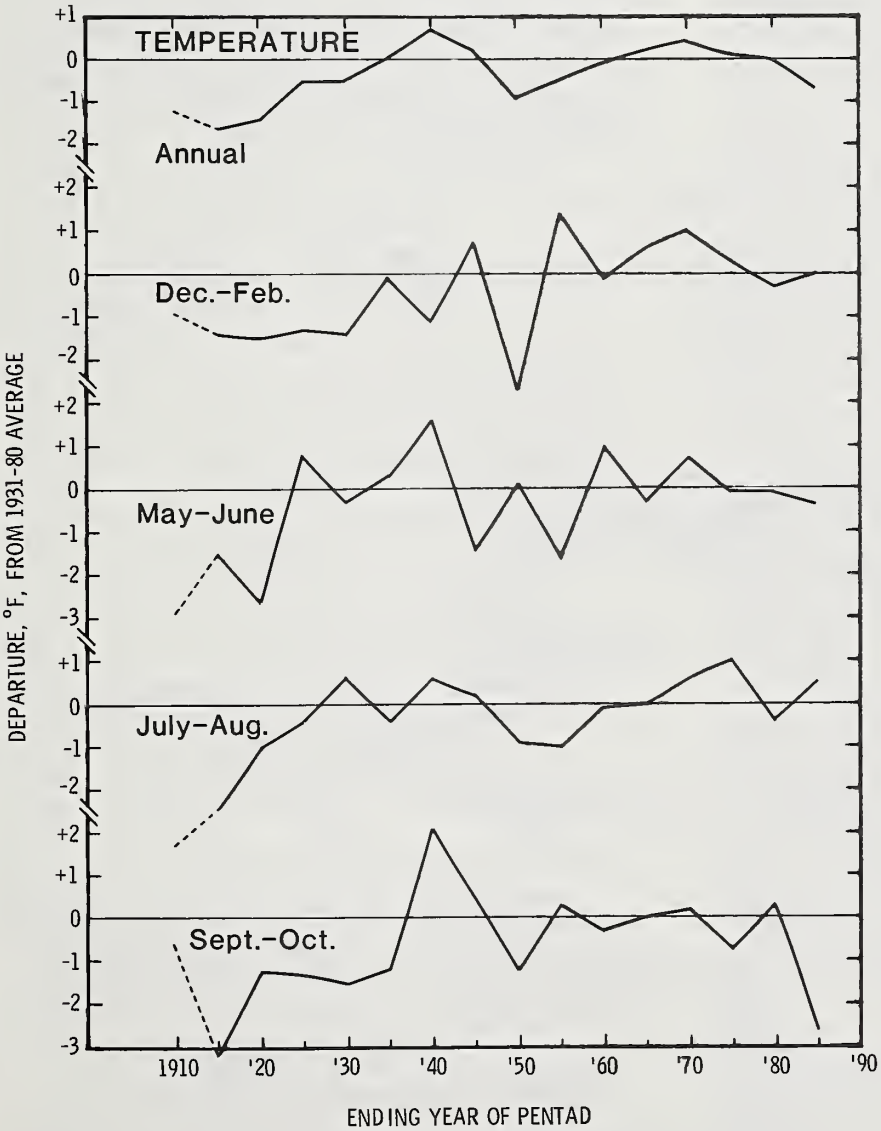

Figure 17—Fluctuations of annual and seasonal mean temperatures since 1910's in northern Idaho area adjacent to Deception Creek; shown by successive 5-year (pentad) averages, plotted as in figure 9. Values are based on arithmetic averages of maximum and minimum temperatures and are given as departures, degrees Fahrenheit, from 50-year, 1931-80, averages. Calculated by weighted averaging of departures obtained at each of five stations as in figure 9, except formula employed was ¼(A + B + C + ½[D + E]). Adjustment was made for Kellogg 1966-70 data (see text) and three outliers were discarded (Coeur d'Alene departure for winter 1926-30 and St. Maries departures for winters 1976-80 and 1981-85).

Wind During the Fire Season—Summer afternoon wind conditions observed in the Deception Creek-Coeur d'Alene National Forest area are portrayed in figure 18. Prevailing wind directions are mainly from the southwest or west but do show local topographic channeling effects. The mid-afternoon speeds average mostly 5 or 6 mi/h, even at the two lookouts, Mount Coeur d'Alene and Spyglass Peak. The 3 mi/h afternoon average at Deception Creek headquarters is a noticeable exception (the 1630 P.s.t. average here was slightly less, about 2.5 mi/h). Winds were also light at the former Honeysuckle Ranger Station, with a July-August 1933-35 average speed of 2.0 to 2.5 mi/h at 1700 and about 3.5 mi/h for the afternoon (1200-1700 average). The RAWS data for 1984-85 show the early afternoon wind prevailing from the northwest during July and August, with an average speed of 5 mi/h.

The 24-hour average windspeed at headquarters, measured during 1936-39, was 1.4 mi/h in July and 1.3 mi/h in August, decreasing from 1.7 mi/h in May to 0.8 mi/h in October. The 24-hour average at Honeysuckle Ranger Station during 1933-35 was 2.4 mi/h in July and 2.2 mi/h in August.

Detailed afternoon windspeed and direction frequencies are given in table 13 (appendix). The speeds represent mostly a 10-minute average at the observation time. At the two lookout stations, these speeds are found to exceed 12 mi/h on only 2 to 4 percent of the days during July-August. Such frequencies would, of course, be greater if shorter durations and all times of day or afternoon were considered.

For example, Deception Creek RAWS data for 26 days during July and August 1985 show that 10-minute windspeeds for both 1300 and 1500 P.s.t. averaged 5 mi/h. Peak gusts during the preceding 1-hour periods averaged 14.5 mi/h.

Downslope and downcanyon airflows, or drainage breezes, may be expected during fair-weather nighttime hours. The 1984-85 data indicate such wind is usually very light at the north-slope RAWS site. Average July-August windspeeds were 2 mi/h at 2100 P.s.t., and 1 to 1.5 mi/h at 0000 (midnight) and 0300. The wind most frequently was from a downslope direction (south through west-southwest). On nights with such a direction, during 1985, past-hour peak gusts averaged 7 mi/h at 2100 and 5 mi/h at the two later times.

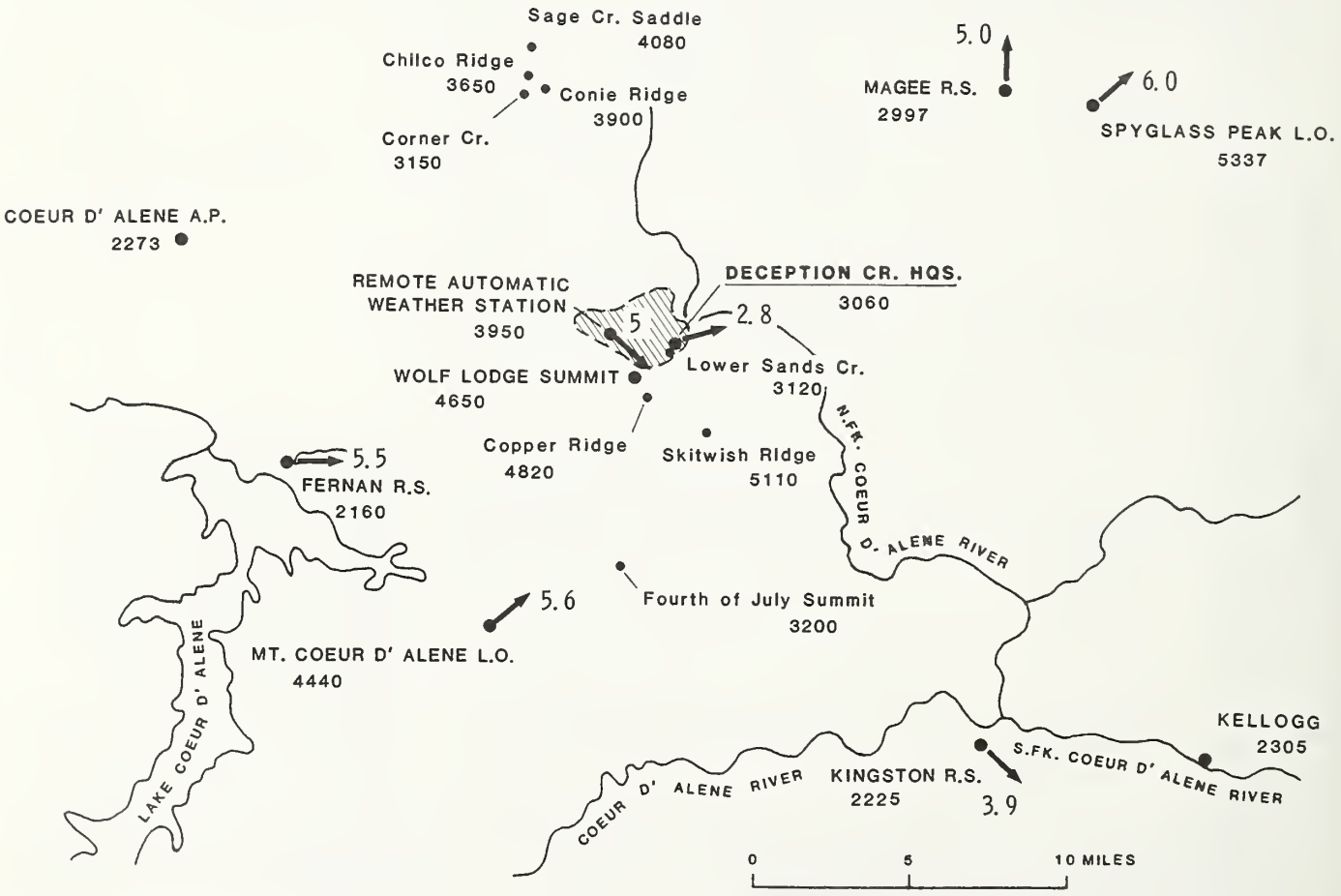

Figure 18—Prevailing wind direction (arrow points downwind) and average speed, miles per hour, in midafternoon (mostly about 1500 P.s.t.), July and August. Based on period 1954-70, except 1963-72 at Magee Ranger Station; 1936-45 direction at 1630 P.s.t. and 1936-42 "afternoon average" speed at Deception Creek headquarters; 1984-85 data at Remote Automatic Weather Station.

Combined Frequencies of Temperature, Humidity, and Windspeed

Observed three-way frequencies during the fire season for 1500 P.s.t. conditions are presented in table 14 (appendix). Again, these are based on varying and relatively short periods of record, making only monthly frequencies appropriate. Application will require summation by the user to obtain frequencies for broader ranges of temperature, humidity, and windspeed, as well as for frequencies of values above or below certain thresholds. Interpolation between stations and months may be helpful—for example, interpolation between ranger stations and lookouts for estimates at open slope locations. Variations may be expected between differing slope aspects (Geiger 1965; Barry 1981), but no further guidance can be offered here.

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APPENDIX: TABLES 5-14

Table 5--Monthly and annual precipitation, inches, by individual years; at Deception Creek headquarters (data limited to 1936-45), Coeur d'Alene, and Kellogg, ID. T denotes trace, an amount too small to measure. M denotes amount missing, no estimate made. E denotes amount estimated in whole or part, different from originally published value or estimate; F is correction using fire-weather data; P, estimate as published

Deception Creek Headquarters

Year	Precipitation												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	Inches												
1936	M	M	M	M	2.45	4.13	0.92	0.72	1.84	1.15	.31	11.49	M
1937	4.46	7.95	3.49	8.54	1.70	6.02	1.25	2.12	1.74	3.96	14.02	9.70	64.95
1938	5.91	4.26	6.73	5.58	1.69	1.91	.33	1.04	1.16	4.58	5.96	6.61	45.76
1939	8.50	8.95	4.81	1.29	1.10	4.06	.85	.04	1.93	3.91	2.13	11.51	49.08
1940	3.19	11.21	7.58	6.05	1.88	1.18	1.28	.24	4.21	6.01	6.60	8.09	57.52
1941	5.37	1.94	2.37	1.09	8.46	3.30	.24	1.63	5.35	3.36	5.60	9.85	48.56
1942	1.93	4.53	5.02	4.95	5.67	4.88	1.43	.33	.28	7.89	11.44	5.59	53.94
1943	4.87	5.40	5.61	5.79	4.41	3.30	.52	.83	.34	6.41	3.30	7.93	48.71
1944	2.86	2.66	2.17	3.69	4.14	1.53	.92	2.08	3.91	1.97	6.25	4.51	36.69
1945	9.17	5.33	10.28	3.69	3.71	2.21	.00	1.06	8.41	8.40	9.69	7.17P	69.12

(con.)

Table 5 (Con.)

Coeur d'Alene

Year	Precipitation												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	Inches												
1914	5.14	3.02	1.33	2.33	1.32	1.49	1.71	0.25	2.31	2.17	2.24	1.39	24.70
1915	1.40	2.38	1.32	1.68	3.55	1.61	1.26	.00	1.20	.64	4.11	3.60	22.75
1916	3.48	2.20	5.37	1.94	1.90	3.20	1.21	.95	1.07	.39	4.00	2.52	28.23
1917	2.69	2.26	2.79	3.24	3.06	1.08	.00	.00	.42	.44	1.33	6.65	23.96
1918	2.74	3.05	2.24	.30	1.46	.37	.42	.88	1.56	2.52	2.29	1.92	19.75
1919	3.61	6.09	2.94	1.67	1.30	.59	.00	1.13	.77	.98	1.28	1.12	21.48
1920	2.25E	.50	2.52	2.26	2.12	1.00	.50	2.07	3.29	1.68	2.05	3.67	23.91
1921	4.35	2.52	2.80	2.21	.77	1.35	.22	1.25	.46	1.75	4.23	2.12	24.03
1922	1.99	1.70	2.23	2.64	.28	.09	.38	1.18	.71	1.78	.77	5.11	18.86
1923	4.15	1.52	1.39	1.60	1.33	3.43	.98	1.78	.13	1.62	2.27	3.99	24.19
1924[1]	3.21	2.12	1.00	.38	.41	.62	.90	1.29	1.48	2.82	4.27	2.54	21.04
1925[1]	4.87	3.14	1.80	1.22	2.45	1.35	.12	.40	1.09	.90	1.89	3.48	22.71
1926	3.50	3.47	.62	.85	1.43	1.88	.22	3.66	2.06	1.52	4.15	2.60	25.96
1927	2.84	4.43	1.87	1.64	2.92	2.14	.56	.44	6.29	3.08	5.41	3.93	35.55
1928	2.95	.21	3.51	1.60	1.15	1.35	1.18	.04	.11	.86	2.37	3.37	18.70
1929	1.55	.74	1.56	2.58	1.02	2.09	.01	.20	.43	.78	.05	4.17	15.18
1930	.95	2.31	1.48	1.74	2.37	1.89	.11	.07	1.06	1.18	3.00	1.33	17.49
1931	2.48	1.92	2.93	1.71	.64	.95	T	T	1.46	1.93	4.69	5.93	24.64
1932	3.08	2.56	4.47	2.88	4.55	.38	.55	.16	.24	2.35	4.45	4.21	29.88
1933	3.59	1.72	2.44	.70	1.43	1.69	.17	.70	2.16	3.66	1.36	9.91	29.53
1934	4.41	.42	3.87	1.20	.91	2.50	.11	.06	1.35	4.63	3.57	4.09	27.12
1935	5.21	1.20	2.44	1.18	.50	.75	.52	1.47	.25	.77	1.73	2.97	18.99
1936	5.39	2.21	1.72	.49	.82	2.82	.65	.11	1.19	.52	.15	4.05	20.12
1937	3.14	4.34	1.47	4.41	.41	3.63	1.03	1.20	.82	1.21	4.95	5.16	31.77
1938[2]	2.46	2.95	3.26	1.60	.84	1.79	.43	.49	.62	1.10	2.01	2.98	20.53
1939[2]	2.93	3.24	1.51	.71	1.17	1.50	.50	.12	.78	2.06	.77	5.20	20.49
1940	2.01	6.49	3.58	2.74	.92	.45	1.43	.11	4.62	3.84	3.99	3.35	33.53
1941	2.53	1.35	.65	.32	4.54	2.17	.03	1.34	2.41	1.39	2.79	5.06	24.58
1942	1.53	2.56	.88	1.74	4.74	2.57	.53	.16	.04	2.31	6.21	3.33	26.60
1943	3.12	2.87	2.46	2.30	1.06	1.93	.40	.44	.25	3.78	1.04	1.61	21.26
1944	1.73	1.66	1.33	2.09	1.30	1.90	.44	1.69	1.75	.70	2.52	2.24	19.35
1945	2.88	2.19	4.66	1.61	3.57	1.53	T	.44	3.52	1.58	5.76	3.35	31.09
1946	3.96	2.96	3.17	1.88	1.52	1.39	.22	.05	1.50	2.57	5.47	1.98	26.67
1947	3.00	.44	2.41	1.52	1.02	5.00	.38	.90	3.10	6.30	2.28	2.63	28.98
1948	3.88	3.71	1.26	3.42	6.16	3.37	3.69	.32	.66	1.20	3.78	3.93	35.38
1949	.73	5.44	1.91	.80	1.37	.46	.62	.83	2.35	1.98	3.24	3.57	23.30
1950	4.73	2.82	4.40	1.06	1.04	2.98	1.14	.95	.38	4.48	2.25	2.63	28.86
1951	4.38	2.07	2.86	.44	1.28	1.88	.86	.68	.71	6.96	2.49	6.39	31.00
1952	3.67	1.54	1.28	.88	.88	2.25	.32	.53F	.52	.35	.68	4.00	16.90
1953	5.32	1.91	1.91	2.12	2.29	1.66	T	1.22	.38	.52	3.73	3.13	24.19
1954[3]	6.82	1.61	.86	1.20	1.36	1.58	1.30	2.83	1.30	1.43	2.45	2.80	25.54
1955[3]	1.50	2.16	.94	2.54	1.33	1.82	1.86	T	1.54	4.12	5.03	5.25	28.09
1956[3]	4.51	2.11	2.44	.47	2.83	2.60	1.16	1.81	1.01	3.60	.95	2.72	26.21
1957[3]	2.09	2.83	2.61	1.48	6.43	2.63	.09	.49	.86	3.22	1.64	3.08	27.45
1958	4.15	3.63	1.33	3.94	.63	2.13	1.13	.25	.71	2.11	6.30	4.57	30.88
1959	5.45	2.36	2.03	1.65	2.06	.79	.11	.65	2.81	2.53	3.79	1.65	25.88
1960	1.94	2.22	3.12	2.19	3.72	.82	T	2.17	1.13	1.70	5.99	1.43	26.43

(con.)

Table 5 (Con.)

Coeur d'Alene (Con.)

Year	Precipitation												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	Inches												
1961	2.35	5.67	2.78	1.47	2.22	1.05	.36	.62	.35	1.53	2.07	4.44	24.91
1962	2.27	1.47	4.13	.89	2.35	.73	.28	1.03	1.04	2.73	3.42	3.10	23.44
1963	.55	3.71	1.39	1.75	1.67	1.66	1.03	.63	1.36	1.45	4.59	2.91	22.70
1964	4.25	.53P	2.71	1.19	.58	4.01	1.49	2.63	1.65	1.05	2.91	7.85	30.85
1965	3.73	2.14	.15	3.02	1.27	2.36	.22	3.54	1.04	.26	2.29	1.79	21.81
1966	4.07	.92	4.32	.35	.63	1.47	.55	.59	.21	.82	5.19	3.63	22.75
1967	4.84	1.05	2.04	2.34	2.18	2.03	.04	T	.70	3.26	1.89	2.74	23.11
1968	2.81	4.16	.95	.48	2.41	2.01	.35	2.32	2.29	3.49	3.46	3.78	28.51
1969	8.23	1.37	.74	2.67	1.51	2.30	.32	.00	1.35	1.37	.54	3.46	23.86
1970	8.23	3.27	2.12	2.24	.81F	1.87	1.10	.32	.89	2.63	3.47	4.17	31.12
1971	4.01	1.77	2.98	1.99	2.11	4.62	.88	1.90	2.05	1.82	2.64	4.95	31.72
1972	4.37	3.13P	2.79	2.32	2.33	1.61	.67	1.64	1.21	.83	1.72	3.41P	26.03
1973	2.96	.95	1.69	.95	1.48	.99	.00	.16	2.10	1.14	8.76	5.42	26.60
1974	7.54	2.84	3.24	1.76	1.82	.76	1.56	.75	.54	.06	3.59	3.21	27.67
1975	4.50	3.95	2.43	2.00	1.31	1.77	1.78	2.14	T	3.50	2.60	3.97	29.95
1976	2.74	3.82	1.83	1.76	1.75	2.36	.65	2.28	.00	.58	.89	1.39	20.05
1977	1.46	.65	1.67	.23	3.04	1.14	1.08	1.00	2.32	.84	2.67	6.73	22.83
1978	3.21	2.16	2.12	2.02	3.98	1.05	2.15	3.32	1.44	.15	2.01	2.44	26.05
1979	2.13	3.70	1.75	1.58	1.37	1.31	.62	1.34	.52	1.81	1.32	2.18	19.63
1980	2.45	2.19	1.77	1.64	4.75	3.34	.30	.92	1.25	.99	2.64	5.87	28.11
1981	1.60	3.28	1.60	2.79	2.41	3.97	.80	.21	1.37	2.49	2.31	4.33	27.16
1982	4.00	4.56	2.73	3.53	.79	.48	1.73	.27	1.79	2.79	3.61	4.70	30.98
1983	2.65	2.91	4.72	.74	1.32	3.94	3.22	1.64	.84	1.94	6.46	3.69	34.07
1984	2.51	2.19	2.59	2.30	3.15	3.04	.20	.23	1.42	2.02	5.66	5.18	30.49
1985	.39	2.01	2.09	.79	2.26	1.43	.00	2.49	2.56	1.05	3.21	.78	19.06
10-year averages													
1921-30	3.04	2.22	1.83	1.65	1.41	1.62	.47	1.03	1.38	1.63	2.84	3.26	22.37
1931-40	3.47	2.71	2.77	1.76	1.22	1.65	.54	.44	1.35	2.21	2.77	4.79	25.66
1941-50	2.81	2.60	2.31	1.67	2.63	2.33	.75	.71	1.60	2.63	3.53	3.03	26.61
1951-60	3.98	2.24	1.94	1.69	2.28	1.82	.68	1.06	1.10	2.65	3.31	3.50	26.26
1961-70	4.13	2.43	2.13	1.64	1.56	1.95	.57	1.17	1.09	1.86	2.98	3.79	25.31
1971-80	3.54	2.52	2.23	1.63	2.39	1.90	.97	1.55	1.14	1.17	2.88	3.96	25.86
30-year averages													
1921-50	3.11	2.51	2.30	1.69	1.75	1.87	.59	.73	1.44	2.16	3.05	3.69	24.88
1951-80	3.88	2.40	2.10	1.65	2.08	1.89	.74	1.26	1.11	1.90	3.06	3.75	25.81
50-year average													
1931-80	3.58	2.50	2.28	1.68	2.02	1.93	.70	.99	1.25	2.10	3.10	3.81	25.94

(con.)

Table 5 (Con.)

Kellogg

Year	Precipitation												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	Inches												
1905	M	M	2.58	1.23	3.43	3.15	0.57	0.48	2.03	5.95	3.04	1.78	M
1906	2.84	2.92	1.46	.90	5.86	2.49	.12	1.01	.70	2.23	5.95	5.44	31.92
1907	3.88	3.30	3.43	1.80	1.30	1.91	.64	2.23	1.53	.56	2.18	2.99	25.75
1908	2.72	2.55	4.22	1.72	2.88	2.02	.47	.64	1.15	4.00	1.65E	2.77	26.79
1909	6.68	3.40	1.36	1.28	1.71	1.33	2.95	.23	2.65	1.51	7.88	1.65	32.63
1910	2.93	4.43	2.41	2.80	2.70	.61	.06	.00	1.25	3.97	5.20	2.27	28.63
1911	2.77	2.39	1.36	1.37	5.29	2.79	.60	1.48	1.72	1.17	5.00	1.68	27.62
1912	3.81	3.21	1.69	2.79	4.26	2.64	1.40	2.29	2.80	2.91	4.15	3.00	34.95
1913	6.69	1.09	3.87	1.74	2.61	4.55	1.75	1.19	1.23	2.81	3.47	.43	31.43
1914	4.45	3.10	2.35	2.55	1.50	2.04	.60	.30	2.22	3.00	4.41	1.67	28.19
1915	1.29	2.40	2.55	1.99	5.44	1.75	2.26	.58	1.60	2.04	4.68	4.14	30.72
1916	2.64	3.01	6.75	2.67	2.21	3.62	3.28	2.39	3.22	.54	3.82	3.05	37.20
1917	3.82	2.50	3.10	3.25	2.83	1.88	.05	T	2.62	1.25	1.08	12.03	34.41
1918	5.18	3.75	2.83	.92	2.66	.77	.92	1.19	.93	4.53	2.45	.81	26.94
1919	3.54	4.10	3.19	2.47	2.41	.70	.35	.47	1.17	2.22	3.33	2.16	26.11
1920	3.74	.21	4.74	2.65	3.24	2.08	2.62	1.61	4.00	3.10	2.82	3.44	34.25
1921	3.33	2.85	5.07	3.63	.92	1.21	.37	1.18	1.34	2.76	4.70	3.66	31.02
1922	2.17	1.90	1.87	2.18	.67	.34	.74	1.91	1.13	1.92	.73	4.39	19.95
1923	5.12	.75	2.62	2.53	1.93	3.83	.90	2.22	.28	1.69	4.27	4.21	30.35
1924	3.08	3.25	1.44	1.27	.14	1.14	.78	.89	1.51	2.24	5.18	4.13	25.05
1925	6.42	4.16	3.51	1.87	3.15	2.24	.73	1.50	.88	1.35	2.06	2.98	30.85
1926	2.95	3.66	.91	1.20	2.44	1.30	.62	3.66	2.99	3.12	6.18	3.93	32.96
1927	4.05	4.94	2.70	1.43	3.23	2.46	.75	.25	5.94	4.74	7.51	3.82	41.82
1928	3.95	.61	5.13	3.00	1.39	1.27	.31	.00	.15	1.85	2.73	2.53	22.92
1929	2.41	1.83	2.78	1.80	.67	2.82	.00	.25	.65	1.74	.08	6.10	21.13
1930	1.16	3.00	2.25	2.97	4.27	1.53	.49	.21	.72	2.08	3.41	1.75	23.84
1931	2.32	1.81	3.27	3.42	.94	2.05	1.17	.18	2.30	2.53	4.34	3.37	27.70
1932	2.86	3.47	5.23	1.90	3.49	1.03	.64	.62	.26	3.55	7.27	3.74	34.06
1933	4.48	2.88	2.62	.75	2.04	2.89	.80	.50	2.65	6.60	2.62	12.28	41.11
1934	4.86	.51	5.06	1.41	2.36	1.85	.12	.00	2.28	5.31	3.25	3.02	30.03
1935	4.51	1.00	4.93	2.47	.38	1.39	.55	.70	.41	1.92	1.43	2.49	22.18
1936	5.13	3.88	2.61	1.03	1.70	3.16	.64	.59	.96	.63	.34	4.73	25.40
1937	2.53	3.92	1.94	5.64	1.22	2.39	.77	2.16	1.15	2.28	4.86	4.77	33.63
1938	2.99	2.35	4.38	2.79	.91	1.70	.08	.65	1.80	2.90	2.56	2.89	25.91
1939	2.83	3.67	2.13	.68	1.13	2.44	.60	.00	.89	1.96	1.27	5.89	23.49
1940	2.56	5.76	3.20	3.00	1.56	.81	1.23	.08	2.54	3.16	5.12	2.63	31.65
1941	1.79	.97	1.07	.90	5.93	2.53	.28	1.27	3.78	3.10	3.11	4.33	29.06
1942	1.68	2.45	1.32	2.28	5.26	3.93	1.49	.53	.15	2.80	6.62	2.75	31.26
1943	2.55	1.80	2.77	3.37	2.73	2.93	.51	.82	.35	4.05	.89	2.76	25.53
1944	1.42	1.66	1.55	2.08	1.00	1.35	.35	.68	2.65	.88	2.99	3.26	19.87
1945	4.04	2.32	4.29	3.47	2.17	1.68	.00	.51	4.84	2.91	4.55	3.52	34.30
1946	3.61	2.51	3.26	1.96	1.70	2.89	.69	.36	1.62	3.26	7.93	3.71	33.50
1947	3.57	2.86	3.64	2.08	1.49	3.93	.30	.89	2.31	6.10	4.57	2.85	34.59
1948	4.61	3.55	2.55	5.02	4.48	4.50	4.12	.73	.80	1.34	4.47	4.06	40.23
1949	1.45	5.20	2.45	1.66	1.71	1.00	.79	.97	1.84	2.47	4.12	5.47	29.13
1950	6.28	4.75	5.34	2.06	1.54	2.95	1.36	1.17	.99	7.23	3.20	3.96	40.83
1951	3.43	4.23	2.30	.62	3.61	1.99	.89	.71	1.23	6.82	3.82	4.98	34.63
1952	2.94	1.60	1.87	1.09	2.48	3.59	.02	.46	.85	.20	.50	3.48	19.08
1953	8.48	2.73	2.03	2.92	3.52	2.48	.00	1.21	.53	.82	4.24	4.18	33.14
1954	7.29	2.41	1.69	3.12	2.18	2.87	1.84	2.93	2.73	1.96	3.26	1.81	34.09
1955	1.63	2.05	2.69	3.15	1.56	2.51	1.73	T	2.74	6.14	5.28	6.33	35.81
1956	3.87	3.10	3.89	.82	2.87	2.63	1.66	2.09	1.34	3.57	.96	3.50	30.30
1957	2.75	5.28	3.41	2.37	5.08	2.16	.66	.74	.32	3.13	1.64	3.80	31.34
1958	3.41	4.42	1.35	4.01	.99	3.28	1.38	.57	1.62	1.79	6.23	5.93	34.98
1959	6.11	1.50	2.78	2.29	2.62	2.02	.32	.78	4.20	3.51	4.96	1.64	32.73
1960	2.27	2.84	3.42	3.16	3.76	1.67	.01	1.92	.75	2.52	5.04	2.20	29.56

(con.)

Table 5 (Con.)

Kellogg (Con.)

Year	Precipitation												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	Inches												
1961[4]	2.45	7.34	2.80	2.82	4.00	1.31	.14	.68	1.40	2.33	2.74	4.34	32.35
1962	3.41	1.66	3.72	1.90	3.59	.72	1.09	1.27	1.94	3.14	3.55	3.09	29.08
1963	1.18	3.70	3.21	2.84	1.10	2.66	1.23	.23	1.33	1.67	2.87	2.72	24.74
1964	4.27	1.16	3.02	2.27	1.04	3.66	1.97	2.68	1.94	1.94	3.44	6.53	33.92
1965[5]	5.08	2.80	.71	3.73	1.40	2.38	.42	3.28	1.93	.75	2.64	1.67	26.79
1966	4.51	1.90	3.21	.83	.70	2.85	.56	1.02	.26	1.23	5.82	4.09	26.98
1967	5.09	2.02	1.78	1.35	1.60E	1.70E	.19	.04	1.11	3.48	2.04	2.45	22.85
1968	2.21	5.24	1.46	1.24	1.75	2.58	.33	1.98	3.79	3.47	3.03	4.80	31.88
1969	7.69	.87	1.59	2.39	1.45	1.60	.42	.07	2.04	1.98	1.17	3.71	24.98
1970[6]	6.35	2.12	2.67	3.23	1.55E	3.07	1.62	.90	1.72	2.24	2.85E	2.67E	31.00
1971	5.91	2.34	3.22	2.78	2.69	3.89	.55	2.09	2.33P	1.93	1.98	4.67	34.38
1972	4.34	4.67	3.90	2.70	2.48	2.43	1.01	.80	1.66	.65	1.32	4.09P	30.05
1973	3.70	.94	1.82	.85E	.83E	.92	.00	.34	2.60E	1.20E	8.45E	5.80E	27.45
1974	9.30E	4.10E	3.85E	2.80E	2.35E	1.30E	1.10E	.55E	.70E	.10E	4.25E	3.35E	33.75E
1975[7]	5.10E	4.22	3.18	1.80	1.51	1.82	1.30	2.85	.10	3.54	3.25	5.75	34.42
1976	3.71	3.55	2.26	2.35	1.85	1.66	.73	2.99	.12	1.20	2.08	2.03	24.53
1977	1.75	1.48	2.49	.43	3.15	1.67	1.73	1.38	3.21	1.49	3.24	8.16	30.18
1978	3.19	2.14	2.03	2.38	4.29	1.26	2.04	2.97	1.96	.48	2.37	3.59	28.70
1979	2.12	4.56	2.14	2.59	2.23	.38	1.65	1.19	.60	2.17	1.33	4.16	25.12
1980	3.92	1.86	1.94	1.58	4.99	4.74	1.17	1.32	2.88	.89	2.88	7.17	35.34
1981	1.53	2.71	1.77	3.88	3.08	4.93	1.08	.55	1.53	2.35	3.82	4.97	32.20
1982	6.33	5.48	3.83	4.07	1.44	1.61	2.38	1.06	1.92	3.07	4.79	3.74	39.72
1983	3.54	2.92	3.75	1.46	2.31	3.87	3.29	1.18	1.21	1.72	6.57	4.15	35.97
1984	4.14	1.86	3.54	2.74	5.09	2.96	.16	.23	3.33	3.03	4.77	4.35	36.20
1985	.57	1.82	2.11	1.20	2.29	2.22	T	2.41	4.11	3.00	5.18	1.12	26.03
10-year averages													
1911-20	3.79	2.58	3.24	2.24	3.25	2.28	1.38	1.15	2.15	2.36	3.52	3.24	31.18
1921-30	3.46	2.70	2.83	2.19	1.88	1.81	.57	1.21	1.56	2.35	3.69	3.75	27.99
1931-40	3.51	2.93	3.54	2.30	1.57	1.97	.66	.55	1.52	3.08	3.31	4.58	29.52
1941-50	3.10	2.81	2.82	2.49	2.80	2.77	.99	.79	1.93	3.41	4.25	3.67	31.83
1951-60	4.22	3.02	2.54	2.36	2.87	2.52	.85	1.14	1.63	3.05	3.59	3.79	31.57
1961-70	4.22	2.88	2.42	2.26	1.82	2.25	.80	1.22	1.75	2.22	3.02	3.61	28.46
1961-70[8]	4.62	3.00	2.58	2.48	1.98	2.30	.83	1.23	1.77	2.30	3.02	3.72	29.83
1971-80	4.30	2.99	2.68	2.03	2.64	2.01	1.13	1.65	1.62	1.37	3.12	4.88	30.39
30-year averages													
1921-50	3.36	2.81	3.06	2.33	2.09	2.18	.74	.85	1.67	2.95	3.75	4.00	29.78
1951-80 (Adj.)	4.38	3.00	2.60	2.29	2.49	2.28	.94	1.34	1.67	2.24	3.24	4.13	30.60
50-year average													
1931-80 (Adj.)	3.95	2.95	2.83	2.33	2.37	2.31	.89	1.07	1.70	2.64	3.46	4.13	30.63

[1]Station moved to Gibbs, at lumber company near west edge of Coeur d'Alene, in September 1925.
[2]Station moved to Fernan Ranger Station in May 1939.
[3]Equipment moved 0.2 miles south-southeast in September 1955, 350 ft north-northwest in Sept. 1957.
[4]Equipment, at mining company, moved 500 ft west in April 1961.
[5]Station moved 3 mi west-northwest to Shoshone County Airport in December 1965.
[6]Station moved back to Kellogg in May 1970, observations discontinued in September 1973.
[7]Station reestablished, at water power company, in February 1975.
[8]Adjusted for apparently lower amounts at airport location.

Table 6--Precipitation statistics for Deception Creek headquarters as observed during 1936-45; for Coeur d'Alene, 50 years 1931-80. Number 0.00 denotes either zero or trace. Year (YR), first two digits omitted, is the most recent in cases of more than one occurrence

P R E C I P I T A T I O N BY 10 (OR 11)-DAY AND MONTHLY PERIODS

STATION DECEPTION CREEK HQ YRS 1936-1945

		10-DAY AND MONTHLY TOTALS								MAXIMUM DAILY TOTALS				
PERIOD BEGINS	NO. YRS	MEAN TOTAL	STD. DEV	MEDIAN	HIGHEST TOT.	YR	LOWEST TOT.	YR	I	EXTREME	YR	AVE MAX	STD DEV	MEDIAN
MAY 1	9	1.200	0.952	1.180	3.12	41	0.00	39	I	1.00	36	0.548	0.333	0.560
MAY 11	9	1.264	1.397	0.760	4.31	41	0.16	44	I	2.08	41	0.618	0.607	0.550
MAY 21	10	1.169	1.255	0.730	3.38	44	0.04	36	I	2.20	44	0.728	0.769	0.495
JUN 1	10	1.248	0.974	0.955	3.76	36	0.40	38	I	1.48	36	0.624	0.342	0.485
JUN 11	10	1.373	1.120	1.300	3.88	37	0.03	40	I	1.37	37	0.599	0.433	0.535
JUN 21	10	0.607	0.599	0.480	1.64	42	0.00	40	I	0.77	41	0.354	0.305	0.355
JUL 1	10	0.264	0.331	0.120	0.84	36	0.00	45	I	0.76	39	0.178	0.257	0.055
JUL 11	10	0.278	0.478	0.065	1.35	42	0.00	45	I	0.65	42	0.151	0.227	0.060
JUL 21	10	0.232	0.410	0.025	1.17	40	0.00	45	I	0.79	40	0.160	0.275	0.025
AUG 1	10	0.222	0.436	0.020	1.36	37	0.00	39	I	0.69	37	0.137	0.232	0.020
AUG 11	10	0.256	0.389	0.065	1.00	38	0.00	43	I	0.66	44	0.143	0.215	0.055
AUG 21	10	0.531	0.403	0.600	1.41	41	0.04	39	I	0.77	41	0.427	0.280	0.570
SEP 1	10	1.157	0.936	0.890	2.55M	45	0.03	42	I	2.17	40	0.794	0.751	0.560
SEP 11	9	0.994	1.049	0.910	2.81	41	0.00	38	I	1.30	44	0.499	0.460	0.630
SEP 21	9	0.316	0.422	0.070	1.20	44	0.00	43	I	0.63	44	0.207	0.238	0.060
OCT 1	9	0.961	0.434	0.940	1.62	41	0.41	36	I	0.76	39	0.553	0.162	0.490
OCT 11	9	1.327	1.162	1.200	3.29	43	0.00	44	I	1.84	38	0.817	0.642	0.740
OCT 21	9	2.101	2.236	1.380	6.92	42	0.00	36	I	4.17	42	1.023	1.249	0.840
MONTH									I					
MAY	9	3.758	2.287	3.710	8.46	41	1.10	39	I	2.20	44	1.196	0.680	1.000
JUN	10	3.228	1.547	3.300	6.02	37	1.18	40	I	1.48	36	0.892	0.323	0.765
JUL	10	0.774	0.484	0.885	1.43	42	0.00	45	I	0.79	40	0.420	0.280	0.475
AUG	10	1.009	0.736	0.935	2.12	37	0.04	39	I	0.77	41	0.466	0.259	0.580
SEP	9	2.312	1.774	1.920	5.32	41	0.28	42	I	2.17	40	0.888	0.673	0.830
OCT	9	4.389	2.144	4.060	7.89	42	1.15	36	I	4.17	42	1.477	1.081	1.260

(con.)

Table 6 (Con.)

STATION NUMBER 101956 COUER D'ALENE YRS 1931-1980

PERIOD BEGINS	NO. YRS	10-DAY AND MONTHLY TOTALS MEAN TOTAL	STD. DEV	MEDIAN	HIGHEST TOT.	YR	LOWEST TOT.	YR	I	MAXIMUM DAILY TOTALS EXTREME	YR	AVE MAX	STD DEV	MEDIAN
JAN 1	49	1.060	0.805	0.960	3.76	48	0.05	38	I	1.28	66	0.477	0.324	0.410
JAN 11	49	1.279	1.018	1.290	5.19	74	0.00	48	I	1.67	72	0.511	0.385	0.510
JAN 21	49	1.136	0.928	0.860	4.00	70	0.00	80	I	2.19	54	0.532	0.432	0.460
FEB 1	50	0.942	0.767	0.845	3.17	49	0.00	76	I	1.77	49	0.434	0.368	0.385
FEB 11	50	0.849	0.800	0.600	3.26	61	0.00	77	I	1.63	70	0.384	0.331	0.310
FEB 21	50	0.708	0.677	0.575	3.39	40	0.00	70	I	1.06	57	0.352	0.283	0.285
MAR 1	50	0.747	0.624	0.615	2.80	66	0.00	68	I	0.95	66	0.335	0.238	0.300
MAR 11	50	0.727	0.580	0.610	2.39	45	0.00	34	I	1.50	72	0.335	0.262	0.305
MAR 21	50	0.802	0.651	0.590	2.72	62	0.00	39	I	1.55	62	0.384	0.298	0.315
APR 1	50	0.515	0.464	0.390	1.83	58	0.00	66	I	1.32	58	0.263	0.252	0.220
APR 11	50	0.564	0.496	0.430	2.12	55	0.00	62	I	0.81	44	0.315	0.234	0.305
APR 21	50	0.599	0.462	0.490	1.90	53	0.00	73	I	1.05	53	0.348	0.266	0.305
MAY 1	50	0.601	0.554	0.480	2.14	48	0.00	71	I	0.97	48	0.278	0.237	0.290
MAY 11	50	0.672	0.872	0.455	5.22	57	0.00	79	I	1.70	57	0.345	0.341	0.255
MAY 21	50	0.737	0.773	0.575	3.21	32	0.00	63	I	2.04	32	0.372	0.398	0.270
JUN 1	50	0.813	0.759	0.645	3.61	47	0.00	65	I	1.81	64	0.440	0.379	0.385
JUN 11	50	0.645	0.647	0.425	2.57	37	0.00	63	I	1.17	43	0.370	0.370	0.210
JUN 21	50	0.469	0.500	0.300	1.78	55	0.00	79	I	1.29	58	0.290	0.316	0.215
JUL 1	50	0.326	0.422	0.190	1.90	78	0.00	77	I	1.12	78	0.227	0.278	0.130
JUL 11	50	0.198	0.291	0.035	1.29	75	0.00	73	I	0.87	70	0.144	0.198	0.035
JUL 21	50	0.179	0.340	0.010	1.70	48	0.00	80	I	1.32	48	0.127	0.262	0.010
AUG 1	50	0.175	0.251	0.050	0.86	64	0.00	79	I	0.78	65	0.130	0.191	0.030
AUG 11	50	0.332	0.605	0.030	3.02	78	0.00	73	I	1.10	54	0.188	0.298	0.030
AUG 21	50	0.470	0.474	0.295	1.67	75	0.00	74	I	0.85	50	0.276	0.239	0.225
SEP 1	50	0.390	0.456	0.235	2.07	40	0.00	76	I	1.96	40	0.260	0.348	0.175
SEP 11	50	0.479	0.544	0.255	2.00	49	0.00	79	I	1.35	45	0.310	0.346	0.175
SEP 21	50	0.386	0.431	0.220	1.36	77	0.00	79	I	0.82	73	0.220	0.225	0.130
OCT 1	50	0.578	0.683	0.315	2.45	51	0.00	80	I	1.22	47	0.303	0.321	0.190
OCT 11	50	0.584	0.700	0.245	2.57	68	0.00	78	I	1.49	58	0.326	0.365	0.170
OCT 21	50	0.941	0.864	0.655	3.86	34	0.00	65	I	1.17	51	0.385	0.288	0.350
NOV 1	50	0.886	0.700	0.775	3.05	58	0.00	52	I	1.30	58	0.447	0.274	0.415
NOV 11	50	1.112	0.905	0.925	3.30	73	0.00	43	I	1.88	60	0.498	0.413	0.355
NOV 21	50	1.097	0.851	1.015	3.49	45	0.00	56	I	1.60	59	0.536	0.407	0.455
DEC 1	50	1.190	0.804	1.090	3.53	33	0.02	32	I	1.50	33	0.526	0.356	0.455
DEC 11	50	1.168	0.973	0.940	5.45	33	0.00	76	I	1.87	33	0.514	0.412	0.445
DEC 21	50	1.454	0.970	1.455	5.36	64	0.06	53	I	1.52	64	0.543	0.304	0.500
MONTH									I					
JAN	49	3.474	1.551	3.140	7.54	74	0.55	63	I	2.19	54	0.848	0.383	0.760
FEB	50	2.499	1.326	2.200	6.49	40	0.42	34	I	1.77	49	0.665	0.357	0.625
MAR	50	2.276	1.084	2.120	4.66	45	0.15	65	I	1.55	62	0.559	0.288	0.495
APR	50	1.678	0.923	1.640	4.41	37	0.23	77	I	1.32	58	0.526	0.249	0.495
MAY	50	2.011	1.471	1.455	6.43	57	0.41	37	I	2.04	32	0.595	0.388	0.495
JUN	50	1.927	1.025	1.805	5.00	47	0.38	32	I	1.81	64	0.709	0.359	0.645
JUL	50	0.702	0.692	0.525	3.69	48	0.00	73	I	1.32	48	0.362	0.313	0.290
AUG	50	0.977	0.918	0.690	3.54	65	0.00	69	I	1.10	54	0.390	0.284	0.390
SEP	50	1.255	0.959	1.085	4.62	40	0.00	76	I	1.96	40	0.507	0.358	0.440
OCT	50	2.104	1.530	1.750	6.96	51	0.06	74	I	1.49	58	0.622	0.328	0.625
NOV	50	3.095	1.782	2.655	8.76	73	0.15	36	I	1.88	60	0.776	0.394	0.705
DEC	50	3.813	1.671	3.435	9.91	33	1.39	76	I	1.87	33	0.809	0.355	0.715

Table 7--Observed frequencies of daily precipitation amounts at stations as in table 6

PRECIPITATION - PERCENT FREQUENCY OF DAILY AMOUNTS (INCHES)

- GIVEN TO NEAREST TENTH PERCENT, DECIMAL POINT OMITTED

STATION DECEPTION CREEK HQ 1936-1945

PERIOD BEGINS	TOTAL NUM. DAYS	AMOUNT EQUAL TO OR GREATER THAN													
		TR	.01	.05	.10	.20	.30	.40	.50	.60	.80	1.00	1.50	2.00	3.00	4.00
MAY 1	88	125	409	318	295	216	170	159	114	57	23	11				
MAY 11	90	100	433	356	267	178	144	122	78	67	22	11	11	11		
MAY 21	110	118	336	236	182	109	91	91	73	64	36	36	18	9		
JUN 1	100	130	460	320	260	210	150	110	80	60	30	20				
JUN 11	100	50	510	390	280	220	150	130	110	90	40	20				
JUN 21	99	71	232	192	162	131	81	61	30	30						
JUL 1	100	20	180	110	70	40	30	20	10	10						
JUL 11	100	70	170	120	70	40	40	40	10	10						
JUL 21	110	36	100	73	45	36	27	18	18	9						
AUG 1	100	70	120	80	60	40	30	20	10	10						
AUG 11	100	40	170	120	80	50	20	10	10	10						
AUG 21	110	91	200	118	109	82	55	55	55	36						
SEP 1	98	51	316	286	265	122	92	82	82	61	31	31	31	10		
SEP 11	90	78	378	278	211	133	111	78	78	78	44	22				
SEP 21	90	56	167	111	67	56	56	33	22	11						
OCT 1	90	78	333	289	244	189	156	100	67	44						
OCT 11	90	11	367	311	244	156	111	111	78	78	56	44	22			
OCT 21	99	111	414	333	283	242	182	141	131	121	61	30	20	20	10	10
MONTH																
MAY	288	115	389	299	243	163	132	122	87	63	28	21	10	7		
JUN	299	84	401	301	234	187	127	100	74	60	23	13				
JUL	310	42	148	100	61	39	32	26	13	10						
AUG	310	68	165	106	84	58	35	29	26	19						
SEP	278	61	288	227	183	104	86	65	61	50	25	18	11	4		
OCT	279	68	373	312	258	197	151	118	93	82	39	25	14	7	4	4

(con.)

Table 7 (Con.)

PRECIPITATION - PERCENT FREQUENCY OF DAILY AMOUNTS (INCHES)

- GIVEN TO NEAREST TENTH PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 101956 COUER D'ALENE 1931-1980

PERIOD BEGINS	TOTAL NUM. DAYS	TR	AMOUNT EQUAL TO OR GREATER THAN .01	.05	.10	.20	.30	.40	.50	.60	.80	1.00	1.50	2.00	3.00	4.00
JAN 1	490		490	398	302	180	122	78	59	41	20	8				
JAN 11	490		508	414	337	220	147	114	82	53	20	12	2			
JAN 21	539		432	345	267	180	111	80	58	43	24	11	4	2		
FEB 1	500		422	352	276	168	100	66	44	36	16	10	2			
FEB 11	500		382	302	230	162	102	56	44	28	16	6	2			
FEB 21	413		421	337	264	150	99	63	39	27	15	7				
MAR 1	500		400	300	240	154	84	42	26	18	10					
MAR 11	500		408	324	248	134	80	42	22	6	6	2	2			
MAR 21	550		382	293	224	122	71	49	36	25	5	5	2			
APR 1	500		328	242	180	94	44	24	12	12	2	2				
APR 11	500		318	228	182	104	68	44	26	14	4					
APR 21	500		318	230	172	110	70	44	26	16	6	2				
MAY 1	500		378	262	182	120	72	38	14	8	2					
MAY 11	500		320	238	182	118	70	42	32	24	12	8	4			
MAY 21	550		340	251	175	100	75	53	40	24	11	5	2	2		
JUN 1	500		360	282	200	136	96	64	40	34	18	8	2			
JUN 11	500		308	240	166	94	62	48	38	28	20	12				
JUN 21	500		248	176	126	80	50	36	24	12	8	4				
JUL 1	500		186	122	78	54	38	26	14	12	4	2				
JUL 11	500		122	76	58	40	22	16	6	2	2					
JUL 21	550		91	69	55	22	13	5	5	5	5	4				
AUG 1	500		116	78	60	30	24	8	6	4						
AUG 11	500		134	104	78	54	44	36	20	14	10	4				
AUG 21	550		222	169	133	84	53	38	15	11	2					
SEP 1	500		198	148	110	68	40	30	18	14	6	2	2			
SEP 11	500		222	156	122	76	54	38	30	20	14	6				
SEP 21	500		224	168	118	76	48	26	10	6	4					
OCT 1	500		250	184	158	104	72	50	32	20	12	6				
OCT 11	500		276	196	148	90	68	44	34	26	18	4				
OCT 21	550		389	313	247	162	109	69	45	36	9	2				
NOV 1	500		404	326	234	162	104	74	50	36	12	4				
NOV 11	500		432	350	280	200	136	88	66	52	24	12	2			
NOV 21	500		402	330	280	200	142	82	62	40	22	18	4			
DEC 1	499		467	389	319	220	144	96	60	44	26	14	2			
DEC 11	500		466	382	310	216	144	84	56	36	16	14	4			
DEC 21	550		529	455	358	242	176	109	75	51	20	9	2			
MONTH																
JAN	1519		475	384	301	193	126	90	66	45	22	11	2	1		
FEB	1413		408	330	256	161	100	62	42	30	16	8	1			
MAR	1550		396	305	237	136	78	45	28	17	7	3	1			
APR	1500		321	233	178	103	61	37	21	14	4	1				
MAY	1550		346	250	179	112	72	45	29	19	8	5	2	1		
JUN	1500		305	233	164	103	69	49	34	25	15	8	1			
JUL	1550		132	88	63	38	24	15	8	6	4	2				
AUG	1550		159	119	92	57	41	28	14	10	4	1				
SEP	1500		215	157	117	73	47	31	19	13	8	3	1			
OCT	1550		308	234	186	120	84	55	37	28	13	4				
NOV	1500		413	335	265	187	127	81	59	43	19	11	2			
DEC	1549		489	410	330	227	156	97	64	44	21	12	3			

Table 8--Monthly and annual mean temperatures, degrees Fahrenheit, by individual years; at Deception Creek headquarters (data limited to 1936-45), Coeur d'Alene, and Kellogg, ID. Means are arithmetic averages of daily maximum and minimum values; based on 24-hour periods ending at indicated observation times (P.s.t.). E denotes mean is different from originally published value, includes estimates for missing days. Values in parentheses, at Kellogg, are completely estimated. M denotes data missing, no estimate made

Deception Creek Headquarters - Observation time 1630 P.s.t.

Year	Mean temperature												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	°F												
1936	23.5	9.0	27.4	36.9	53.3	58.8	63.2	59.9	51.4	44.2	27.0	28.8	40.3
1937	5.6	22.5	33.4	37.9	47.5	56.4	62.8	56.9	54.0	46.0	34.4	28.8	40.5
1938	24.8	28.9	32.9	40.0	48.2	58.2	63.4	57.4	58.5	43.9	24.3	25.5	42.2
1939	28.1	20.1	32.0	40.1	49.5	52.7	62.3	60.6	53.6	43.0	33.5	30.9	42.2
1940	23.5	31.9	37.1	43.2	53.0	59.2	63.1	60.3	58.4	47.2	28.1	27.5	44.4
1941	27.8	30.9	38.4	45.9	49.9	57.7	65.5	61.1	49.5	42.6	34.9	28.5	44.4
1942	20.9	27.8	33.3	42.1	48.5	53.6	62.8	61.3	54.0	43.7	30.9	29.1	42.3
1943	18.8	28.8	25.5	40.5	46.9	51.9	60.8	58.3	53.6	46.1	32.0	23.0	40.5
1944	22.8	27.6	29.9	41.2	51.0	57.2	62.0	59.0	55.4	46.4	32.9	23.2	42.4
1945	28.2	30.2	33.0	37.2	50.2	54.6	62.8	61.9	50.1	44.2	30.4E	M	M

Table 8 (Con.)

Coeur d'Alene - Observation time mostly about 1700 m.s.t.; about 0800 during 1925-40 and 1400 to 1500 beginning in 1975

Year	Mean temperature												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	°F												
1921	30.8	32.6	38.5	43.3	54.8	62.8	65.0	65.4	51.2	48.2	36.0	27.2	46.3
1922	21.1	23.6	33.8	42.5	52.5	65.2	68.2	67.0	58.9	48.8	33.0	22.6	44.8
1923	31.6	23.4	36.8	46.0	53.0	59.6	69.2	66.0	59.3	47.9	38.5	31.8	46.9
1924[1]	23.4	38.5	37.8	45.8	59.2	59.4	66.6	63.5	57.8	47.4	35.1	23.5	46.5
1925[1]	31.6	38.2	40.0	49.9	58.8	63.9	71.2	65.6	59.6	45.0	36.8	35.9	49.7
1926	30.0	37.4	42.5	52.2	55.3	63.4	73.0	66.2	52.4	49.0	39.2	29.5	49.2
1927	26.4	33.0	38.2	44.7	50.8	62.4	68.4	68.0	55.5	49.2	37.4	20.2	46.2
1928	27.2	29.4	40.2	43.8	59.0	61.6	71.4	67.2	59.3	47.7	35.8	27.9	47.5
1929	15.6	19.2	38.8	43.0	54.2	60.8	67.8	71.6	56.4	48.9	33.3	35.1	45.4
1930	13.9	36.2	39.3	51.4	52.6	59.2	70.9	70.6	60.2	44.8	35.6	28.0	46.9
1931	33.0	33.4	39.0	46.6	57.9	62.4	70.4	69.1	58.8	47.4	32.1	27.4	48.2
1932	25.0	26.7	34.4	46.4	53.2	63.7	66.7	67.4	58.4	47.2	40.8	24.8	46.2
1933	29.4	20.6	36.2	44.7	49.8	62.0	69.3	68.1	54.8	49.4	39.7	36.4	46.7
1934	36.0	36.5	44.6	54.2	58.8	63.2	68.8	69.8	56.0	49.1	42.2	32.6	51.0
1935	28.0	32.5	35.6	42.4	53.6	60.6	67.4	66.0	62.5	46.7	32.0	31.2	46.5
1936	30.6	14.2	36.6	49.0	59.8	63.7	71.3	69.7	57.6	50.3	32.2	33.0	47.3
1937	8.5	24.3	37.6	43.6	55.0	62.2	70.6	66.2	60.4	51.2	39.4	33.4	46.0
1938[1]	30.4	30.9	38.9	47.6	55.0	65.0	73.2	66.6	66.0	50.3	34.4	32.6	49.2
1939[1]	33.8	26.7	38.9	49.0	57.2	58.2	68.8	68.4	59.4	47.2	38.6	35.0	48.4
1940	27.6	34.8	42.8	49.0	57.5	64.6	70.2	67.8	62.6	52.0	32.4	32.6	49.5
1941	30.8	36.2	44.1	50.1	55.3	60.2	70.5	66.6	54.8	46.9	39.4	32.8	49.0
1942	23.1	30.1	38.4	49.2	52.7	58.2	68.8	69.2	61.0	50.4	35.6	32.5	47.4
1943	24.1	32.4	32.4	48.4	51.2	56.8	67.4	68.0	62.2	51.6	39.8	29.9	47.0
1944	29.4	31.2	35.4	47.4	55.7	61.8	68.5	66.3	61.2	51.1	36.8	28.6	47.8
1945	33.5	34.6	37.4	44.0	56.0	60.4	69.2	68.6	55.9	50.4	37.4	30.5	48.2
1946	31.4	33.6	40.8	47.4	55.2	58.2	68.4	67.8	58.3	43.2E	34.4	32.6	47.6
1947	25.4	34.5	41.5	47.6	58.4	59.5	69.0	66.2	58.0E	49.9	35.4	33.6	48.3
1948	28.6	30.0	35.6	43.8	54.1	64.9	65.1	65.2	57.8	45.9	36.1	24.9	46.0
1949	11.2	26.9	36.6	49.5	58.0	62.0	68.1	68.6	60.3	43.9	41.0	31.0	46.4
1950	13.9	30.2	35.7	44.0	52.8	61.4	69.1	69.9	60.7	46.8	37.4	36.1	46.5

(con.)

Table 8 (Con.)

Coeur d'Alene (Con.)

Year	Mean temperature												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	°F												
1951	29.6	32.5	33.5	47.3	55.1	59.1	68.8	67.9	59.4	46.7	36.4	25.9	46.8
1952	26.0	31.5	35.9	47.1	56.5	61.2	68.8	69.3	62.8	52.6	35.0	32.2	48.2
1953	39.3	36.1	39.9	45.9	53.6	58.0	68.1	68.7	61.4	51.4	41.0	35.5	49.9
1954[2]	28.8	35.9	36.2	44.2	55.0	57.7	67.1	64.2	58.4	44.2	42.9	31.3	47.2
1955[2]	29.2	29.4	31.1	41.6	51.1	61.9	66.3	68.5	60.7	50.3	32.2	29.6	46.0
1956[2]	30.7	26.1	36.1	50.1	57.9	60.4	70.6	68.2	61.3	48.2	35.4	33.4	48.2
1957[2]	19.0	29.4	36.7	46.5	58.8	61.6	66.9	64.7	62.0	46.2	36.4	36.4	47.1
1958	32.8	39.6	39.4	46.5	62.6	66.3	71.2	73.8	59.9	50.5	37.5	34.3	51.2
1959	30.6	32.1	39.6	47.7	50.5	62.5	71.3	66.4	57.9	47.5	33.3	32.1	47.6
1960	24.1	31.2	37.9	45.7	52.4	62.3	73.7	65.5	60.6	51.3	38.0	29.1	47.7
1961	32.7	37.5	39.4	45.0	55.3	67.5	72.1	74.5	56.9	48.2	34.4	29.6	49.4
1962	23.9	32.3	33.8	48.6	52.3	61.6	67.5	66.8	61.4E	49.4	39.4	35.4	47.8
1963	22.0	36.3	39.2	45.3	55.2	62.8	67.0	69.9	66.2	52.9	40.3	29.5	48.9
1964	32.3	32.9	35.4	43.8	53.6	61.7	69.4	63.4	56.7	49.5	36.6	27.4	46.9
1965	32.4	33.0	33.7	46.8	53.0	60.8	69.5	68.3	54.3	53.1	40.0	33.1	48.2
1966	30.8	32.6	37.7	45.5	54.9	59.2	69.0	68.4	65.1	50.2	38.8	34.9	49.1
1967	34.9	36.8	38.0	43.4	54.3	63.9	70.5	73.6	67.6	50.6	38.4	30.0	50.2
1968	29.5	37.8	42.0	43.1	53.0	61.6	70.6	66.1	60.6	47.5	37.3	27.1	48.0
1969	20.3	29.7	36.1	48.2	58.2	64.3	67.2	68.0	61.8	46.3	40.2	32.3	47.7
1970	28.8	37.4	38.8	42.5	56.2	66.3	72.4	70.5	55.4	47.6	39.0	31.3	48.9
1971	32.7	35.2	36.6	46.2	56.4	59.2	68.5	73.4	56.0	46.7	37.6	29.0	48.1
1972	26.5	33.4	42.4	43.2	56.9	62.1	66.9	71.9	56.3	49.4	39.9	27.6E	48.0
1973	28.0	35.1	40.8	47.0	56.6	63.1	71.0	70.5	61.5	49.8	35.1	35.3	49.5
1974	27.1	36.9	39.4	46.7	50.7	64.8	68.3	68.4	61.7	51.2	40.3	34.5	49.2
1975	29.0	29.9	36.2	42.6	52.8	59.0	72.2E	64.8	60.5	48.9	37.2	33.9	47.3
1976	33.5	34.2	35.7	45.9	56.2	58.8	68.1	66.0	63.1	49.8	39.1	33.2	48.6
1977	27.0	36.8	38.3	51.4	53.2	65.9	67.9	71.1	57.2	48.8	36.4	31.0	48.8
1978	31.6	35.9	42.3	47.5	52.6	63.5	67.7	65.7	58.5	49.6	34.6	26.2	48.0
1979	17.1	32.1	40.9	46.2	55.1	62.3	70.1	71.0	63.3	51.9	34.9	36.2	48.4
1980	25.1	35.6	38.4	51.3	56.7	59.5	67.3	64.6	60.9	50.6	39.5	36.0	48.8
1981	35.2	36.3	43.9	47.4	53.7	57.4	66.1	72.0	61.4	47.2	40.5	32.2	49.4
1982	29.6	31.7	40.4	43.1	53.5	65.2	66.9	69.4	59.8	47.7	35.9	31.8	47.9
1983	36.5	39.1	44.1	46.9	56.6	61.5	64.0	70.7	56.9	50.3	40.3	22.4	49.1
1984	31.6	35.8	41.7	46.0	51.4	59.9	69.6	71.3	57.0	46.2	38.0	27.0	48.0
1985	26.6	28.2	37.8	49.2	57.8	62.7	75.5	65.6	54.4	47.6	27.3	25.5	46.5
10-year averages													
1921-30	25.2	31.2	38.6	46.3	55.0	61.8	69.2	67.1	57.1	47.7	36.1	28.2	46.9
1931-40	28.2	28.1	38.5	47.3	55.8	62.6	69.7	67.9	59.7	49.1	36.4	31.9	47.9
1941-50	25.1	32.0	37.8	47.1	54.9	60.3	68.4	67.6	59.0	48.0	37.3	31.3	47.4
1951-60	29.0	32.4	36.6	46.3	55.4	61.1	69.3	67.7	60.4	48.9	36.8	32.0	48.0
1961-70	28.8	34.6	37.4	45.2	54.6	63.0	69.5	69.0	60.6	49.5	38.4	31.1	48.5
1971-80	27.8	34.5	39.1	46.8	54.7	61.8	68.8	68.7	59.9	49.7	37.5	32.3	48.5
30-year averages													
1921-50	26.2	30.4	38.3	46.9	55.2	61.6	69.1	67.5	58.6	48.3	36.6	30.5	47.4
1951-80	28.5	33.8	37.7	46.1	54.9	62.0	69.2	68.5	60.3	49.4	37.6	31.8	48.3
50-year average													
1931-80	27.8	32.3	37.9	46.5	55.1	61.7	69.2	68.2	59.9	49.2	37.3	31.7	48.1

(con.)

Table 8 (Con.)

Kellogg - Observation time mostly about 0900 P.s.t.; 1600 during 1970-73 and 0800 beginning in 1975

Year	Mean temperature												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	°F												
1905	(29.8)	27.4E	41.8	46.4	51.4	57.6	65.6	63.6	56.2	41.4	35.6	28.2	45.4
1906	30.6	34.5	34.9	47.8	53.1	56.1	69.4	63.8	56.8	48.4	34.8	32.4	46.9
1907	20.1	34.4	38.6	43.2	(53.5)	57.6	64.4	59.0	56.0	51.4	39.8	31.0	45.8
1908	29.8	31.2	37.4	46.0	49.4	56.6	66.8	61.9	56.0	45.4	(37.3)	28.2	45.5
1909	23.1	33.4	38.8	41.2	49.6	58.8	61.8	61.0	57.4	46.6	38.0	25.3	44.6
1910	25.0	25.0	43.4	48.3	53.9	57.8	66.1	59.9	56.4	48.4	37.3	32.2	46.1
1911	27.0	27.0	39.8	43.6	49.2	61.2	64.2	61.2	53.6	44.0	32.2	27.7	44.2
1912	26.2	33.0	35.0	45.0	53.2	61.3	62.0	60.5	51.6	43.7	38.2	30.2	45.0
1913	23.9	23.3	32.4	44.0	52.2	60.4	63.4	65.3	55.6	43.4	38.9	28.2	44.2
1914	34.0E	31.0	41.0	46.8	54.8	57.8	68.0	34.0	54.2	48.4	38.2	22.6	46.7
1915	23.6	34.2	42.5	49.8	52.8	57.8	63.8	70.4	53.6	48.7	34.2	28.8	46.7
1916	16.6	32.5	38.3	44.8	47.8	57.4	63.8	64.4	55.5	44.0	30.6	21.4	43.1
1917	24.2	29.4	29.0	41.4	51.4	56.3	67.1	65.7	60.0	45.7	39.5	38.0	45.6
1918	31.2	30.5	40.0	45.2	50.3	63.7	67.6E	62.3	61.0	50.2	36.4	30.2	47.4
1919	29.2	30.9	39.0	48.2	52.8	59.8	67.3E	65.6	56.2	41.4	32.4	20.5	45.3
1920	29.7E	32.4	36.8	43.2	49.9	57.2	69.0	65.4	55.8	45.8	36.7	30.7	46.0
1921	31.0	32.4E	38.7	43.4	54.4	62.1	65.4	65.6	50.8	48.6	36.0	28.0	46.4
1922	20.2	25.3E	34.8	41.8	52.2	65.2	67.2	67.4	59.0	49.4	34.2	22.0	44.9
1923	32.0	26.1	36.2	44.6	52.9	59.8	69.4E	66.4	59.3	48.9	38.0	29.6E	46.9
1924	23.2	38.0	38.6	45.4	59.0	60.4	68.0E	64.2	57.8	47.9	34.8	23.9E	46.8
1925	32.0	38.6	40.4	49.9	58.1	63.2	70.8	65.1E	58.8	44.4	36.8	34.6	49.4
1926	29.7E	37.9	42.8	53.4	54.9	62.6	70.2	65.2	52.6	50.0	40.2	30.7E	49.1
1927	28.8	34.5	40.2	44.7	51.4	62.8	68.3	66.6	56.4	49.8	39.2	21.0	47.0
1928	29.7	31.0	41.6	44.3	59.2	61.0	69.8	64.5	60.0	48.8	37.9	28.7E	48.0
1929	18.0	22.4	39.4	43.2	54.6	59.8	67.0	68.9	54.0	49.1	33.0	34.3E	45.3
1930	16.4	37.2	40.0	52.0	53.2	59.5	68.4	68.8	58.3	45.4	34.7	23.9	46.5
1931	32.0	32.6	39.0	47.4	57.0	62.0	68.8	67.0	56.8	47.2	31.0	26.4	47.3
1932	25.6	26.8	35.5	47.4	53.7	62.8	65.2	66.4	57.1	47.4	40.5	24.5	46.1
1933	29.3	22.9	37.8	45.6	50.6	62.5	67.8	66.4	54.5	49.0	38.2	37.0	46.8
1934	35.0	38.1	45.4	55.6	60.0	62.7	68.0	67.2	54.0	49.6	42.6	33.0	50.9
1935	28.9	32.9	36.2	43.8	53.9	60.2	67.3	64.3	61.3	46.3	31.8	30.1	46.4
1936	30.4	17.8	37.2	48.8	60.0	64.3	69.8	67.0	57.2	50.7	32.6	33.2	47.4
1937	11.3	26.8	39.8	43.6	55.3	61.2	69.2	63.0	60.7	51.6	40.3	33.5	46.4
1938	30.0	34.9	39.2	47.6	53.7	64.4	71.4	65.3	65.6	50.6	33.2	32.3	49.0
1939	34.0	27.8	40.4	49.8	56.4	58.3	68.4	68.1	59.0	46.8	38.8	35.2	48.6
1940	27.0	36.4	43.4	49.0	57.6	64.2	69.6	67.1	63.0	52.1	31.6	32.7	49.5
1941	31.0	37.9	45.2	50.6	54.8	61.2	71.4	66.4	53.6	46.1	38.6	32.4	49.1
1942	24.1	31.2	39.0	49.2	52.2	57.8	69.4	68.2	60.0	49.2	35.6	32.2	47.3
1943	22.7	33.4	33.8	48.3	50.4	56.2	66.8	63.4	60.3	49.6	36.6	28.6	45.8
1944	28.7	32.0	34.8	47.2	55.6	61.1	66.5	64.0	59.9	52.6	36.0	27.1	47.1
1945	32.1	34.6	36.6	42.5	55.0	57.7	68.2	67.4	54.8	49.8	35.6	30.3	47.0
1946	30.4	33.8	41.2	47.0	55.4	59.4	67.6	67.2	57.4	42.6	33.8	32.1	47.3
1947	25.0	35.2	41.8	47.2	58.2	58.4	68.6	64.6	57.8	50.2	35.8	(33.0)	48.0
1948	27.2	29.4	36.0	44.2	54.4	65.1	64.4	64.6	58.5	48.0	35.8	23.0	45.9
1949	11.2	27.7	38.3	49.4	58.2	60.2	66.1	67.5	60.2	43.7	41.5	29.4	46.1
1950	15.5	29.8	35.7	44.5	52.1	60.8	68.6	68.0	60.6	48.2	37.8	36.0	46.5
1951	28.5	32.8	34.5	47.5	54.1	59.1	69.3	67.2	58.6	46.8	36.4	26.2	46.8
1952	25.1	32.2	36.7	49.6	56.4	60.9	67.5	67.8	61.6	52.1	35.2	30.9	48.0
1953	39.4	35.6	40.3	45.0	52.2	57.6	67.4	67.1	60.6	50.4	40.8	34.8	49.3
1954	29.3	36.5	36.4	44.1	54.3	56.8	66.4	63.0	56.9	45.7	42.3	30.8	46.9
1955	29.0	29.7	30.8	41.4	50.3	61.9	65.7	66.1	58.0	48.1	30.1	29.5	45.1
1956	29.9	24.8	35.2	48.6	57.1	59.6	68.9	64.1	58.0	46.7	34.3	32.6	46.7
1957	18.0	29.5	37.4	46.4	59.0	61.9	66.6	64.9	60.8	46.7	35.2	34.6	46.8
1958	31.4	39.8	39.5	45.4	62.6	65.4	70.2	71.3	57.8	48.8	36.9	33.6	50.2
1959	30.5	31.0	38.6	46.8	50.6	62.0	68.0	64.1	55.6	46.7	31.6	31.1	46.4
1960	22.5	30.6	37.6	45.9	52.3	61.0	71.9	63.4	59.1	48.3	37.2	28.8	46.6

(con.)

Table 8 (Con.)

Kellogg (Con.)

Year	Mean temperature												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	°F												
1961[3]	32.0	38.0	39.6	45.0	53.7	66.8	70.1	72.8	54.4	45.7	32.3	28.4	48.2
1962	24.1	32.8	35.7	48.8	51.9	60.4	65.5	64.1	59.2	49.4	39.9	34.1	47.2
1963	19.3	38.2	40.6	45.2	55.3	61.3	64.9	67.4E	64.5	51.8	39.8	28.6	48.1
1964	30.8	31.6	34.8	43.6	51.6	60.9	68.0	62.1	54.5	48.4	36.6	28.1	45.9
1965[4]	32.5	33.4	34.1	47.9	52.4	60.1	68.4	66.5	51.8	50.8	40.4	31.8E	47.5
1966[5]	(30.1)	(32.6)	(37.7)	(45.4)	(56.6)	(58.2)	(66.8)	(66.0)	(63.2)	(48.0)	(38.2)	(34.1)	(48.1)
1967	(33.4)	(36.1)	(37.5)	(42.6)	(53.4)	(63.1)	(69.6)	(71.6)	(65.5)	(48.3)	(37.2)	(28.8)	(49.0)
1968	(28.7)	(37.9)	(42.8)	(43.6)	(52.8)	(60.8)	(69.1)	(64.0)	(58.6)	(46.4)	(36.6)	(26.0)	(47.3)
1969	(20.3)	(30.6)	(36.8)	(48.0)	(57.6)	(63.5)	(66.0)	(66.4)	(60.0)	(44.9)	(38.6)	(31.1)	(47.0)
1970[4]	(28.4)	(37.5)	(38.0)	(41.4)	(56.0)	66.2	71.1	68.8	55.3	46.6	38.7	31.3	48.3
1971	32.0	33.4	36.1	47.0	58.1	59.3	69.1	73.4	55.2	45.5	36.9	28.0	47.8
1972	26.3	33.1	42.2	42.9	56.6	61.6	66.3	70.2	56.2	47.1	37.7	26.3	47.2
1973[6]	28.3	34.9	39.4	44.8	55.8	60.5	67.5	66.2	(59.3)	(47.6)	(34.0)	(34.0)	48.1
1974	(25.3)	(35.8)	(38.7)	(46.1)	(50.4)	(64.8)	(67.7)	(66.6)	(59.9)	(49.6)	(38.5)	(32.7)	(48.0)
1975[4]	(28.1)	29.3	36.1	42.5	51.8	58.8	73.0	64.2	60.0	48.0	35.2	31.4	46.5
1976	31.2	33.5	35.4	46.1	56.3	58.6	68.5	65.1	63.1	47.8	37.2	29.7	47.7
1977	25.1	36.6	38.2	50.1	51.5	66.6	66.6	70.4	55.5	46.5	35.1	29.2	47.6
1978	30.2	35.7	43.0	48.0	52.0	63.6	68.1	64.9	57.6	47.6	31.6	22.8	47.1
1979	15.2	30.7	40.4	45.7	55.8	62.6	68.3	69.1	61.5	49.3	32.7	35.0	47.2
1980	23.2	33.8	37.3	50.6	54.0	58.4	68.2	64.0	58.1	49.1	38.8	34.2	47.5
1981	35.4	35.7	43.0	46.6	54.4	57.4	67.1	71.4	59.7	45.3	39.6	30.7	48.9
1982	26.9	30.2	40.6	43.6	53.6	65.9	66.6	68.3	58.6	46.7	33.2	29.8	47.0
1983	34.7	37.8	42.6	46.4	55.9	61.1	63.7	69.7	53.9	45.1	38.6	18.8	47.4
1984	27.9	34.6	40.5	44.8	50.5	58.8	69.1	69.2	53.9	43.3	35.6	23.2	46.0
1985	22.8	25.0	35.6	47.3	56.7	61.5	73.5	64.0	52.9	43.8	24.8	19.9	44.0
10-year averages													
1911-20	26.6	30.4	37.4	45.2	51.4	59.3	65.6	64.5	55.7	45.5	35.7	27.8	45.4
1921-30	26.1	32.3	39.3	46.3	55.0	61.6	68.5	66.3	56.7	48.2	36.5	27.7	47.0
1931-40	28.4	29.7	39.4	47.9	55.8	62.3	68.6	66.2	58.9	49.1	36.1	31.8	47.8
1941-50	24.8	32.5	38.2	47.0	54.6	59.8	67.8	66.1	58.3	48.0	36.7	30.4	47.0
1951-60	28.4	32.3	36.7	46.1	54.9	60.6	68.2	65.9	58.7	48.0	36.0	31.3	47.3
1961-70	28.0	34.9	37.8	45.2	54.1	62.1	68.0	67.0	58.7	48.0	37.8	30.3	47.7
1971-80	26.5	33.7	38.7	46.4	54.2	61.5	68.3	67.4	58.6	47.8	35.8	30.3	47.5
30-year averages													
1921-50	26.4	31.5	39.0	47.1	55.1	61.2	68.3	66.2	58.0	48.4	36.4	30.0	47.3
1951-80	27.6	33.6	37.7	45.9	54.4	61.4	68.2	66.8	58.7	47.9	36.5	30.6	47.4
50-year average													
1931-80	27.2	32.6	38.2	46.5	54.7	61.3	68.2	66.5	58.6	48.2	36.5	30.8	47.4

[1]Station relocated during this year; see footnotes in table 5.
[2]Equipment moved short distance; see table 5.
[3]Equipment moved short distance; see footnote in table 5.
[4]Station relocated during this year; see table 5.
[5]Mean temperatures estimated during 1966-70 because of significantly lower minimum temperatures apparent at airport location. Estimates based on departures from 1941-70 normals at Coeur d'Alene, St. Maries, and Wallace (Woodland Park), ID.
[6]No observations during September 1973 to January 1975. Values estimated as described in preceding footnote.

Table 9--Daily maximum and minimum temperature statistics for indicated years of record. Based on 24-hour period ending about 1630 P.s.t. at Deception Creek; mostly 1500 to 1600 at other stations, except morning observation time at Coeur d'Alene prior to year 1941. Letter "M" following year number in table denotes occurrence of missing data; average shown is based on at least 7 days of data during 10-day (or 11-day) period

MAXIMUM DAILY TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION		DECEPTION CREEK HQ 10-DAY AND MONTHLY PERIOD MEANS						1936-1945 10-DAY AND MONTHLY EXTREME DAILY VALUES						
PRO. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR		HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRO. BEGINS
MAY 1	9	62.4	4.8	62.0	68.2 45	52.4 43		81 36	73.9	6.3	75.0	45 43	50.1	4.8	49.0	MAY 1
MAY 11	9	63.0	5.9	63.0	71.2 39	56.2 43		86 39	74.7	9.2	76.0	47 43	52.7	4.8	53.0	MAY 11
MAY 21	10	69.1	4.5	67.5	77.3 36	64.1 39		92 36	80.4	5.6	81.0	42 44	54.4	5.3	55.0	MAY 21
JUN 1	10	67.1	4.0	66.5	74.2 38	61.0 39		85 37	76.5	4.7	75.0	46 43	55.4	6.6	55.0	JUN 1
JUN 11	10	69.4	6.9	68.5	84.8 40	61.3 43		94 40	78.1	8.3	76.0	54 45	58.9	6.5	55.5	JUN 11
JUN 21	10	76.3	4.4	75.0	82.9 36	70.4 43		95 36	87.6	4.4	87.5	57 37	63.8	7.1	61.0	JUN 21
JUL 1	10	80.1	4.0	80.0	85.9 42	74.8 44		93 39	88.0	3.8	88.5	64 39	70.7	5.3	72.0	JUL 1
JUL 11	10	82.3	5.3	82.0	89.2 41	74.2 42		98 41	91.2	4.3	91.5	61 43	71.5	7.2	70.0	JUL 11
JUL 21	10	83.2	3.9	83.0	88.0 39	74.8 40		98 39	91.6	4.3	90.5	60 40	72.7	6.5	74.5	JUL 21
AUG 1	10	80.8	4.2	79.5	86.5 42	73.1 37		92 42	89.3	3.0	90.5	59 37	72.4	6.6	72.0	AUG 1
AUG 11	10	80.2	4.6	80.5	86.5 40	72.7 44		93 42	86.9	4.3	87.5	60 38	72.2	6.5	74.5	AUG 11
AUG 21	10	76.9	4.9	76.5	83.7 38	70.4 41		93 40	87.6	4.2	87.5	54 45	64.3	6.5	65.0	AUG 21
SEP 1	10	73.1	5.6	72.0	81.3 44	60.6 41		93 38	83.9	7.1	86.0	51 40	58.7	4.9	58.5	SEP 1
SEP 11	9	69.2	9.2	69.0	83.9 38	54.2 41		92 38	81.6	10.1	86.0	44 36	58.1	9.5	57.0	SEP 11
SEP 21	9	69.3	6.1	70.0	77.7 38	58.7 37		88 43	77.7	7.7	79.0	51 37	60.2	6.2	61.0	SEP 21
OCT 1	9	60.1	7.2	58.0	73.6 43	50.2 41		81 43	68.8	8.0	69.0	43 41	50.9	5.5	50.0	OCT 1
OCT 11	9	56.2	4.4	55.0	61.3 36	48.4 43		70 40	63.3	5.5	65.0	41 43	49.2	4.5	50.0	OCT 11
OCT 21	9	50.0	4.2	49.0	57.1 37	42.5 43		63 39	58.4	3.5	58.0	35 43	41.9	5.0	42.0	OCT 21
MONTH																MONTH
MAY	9	64.9	3.8	64.0	70.2 40	58.3 43		92 36	82.1	5.6	83.0	42 44	47.8	3.9	47.0	MAY
JUN	10	70.9	4.0	71.0	77.8 40	65.4 43		95 36	88.3	4.8	88.5	46 43	53.5	4.8	54.0	JUN
JUL	10	81.9	1.3	81.5	84.0 41	80.2 43		98 41	94.2	3.0	94.0	60 40	64.9	3.4	64.5	JUL
AUG	10	79.2	3.0	79.0	83.1 40	74.1 37		93 42	90.8	2.5	92.0	54 45	62.1	5.8	61.5	AUG
SEP	9	70.6	5.3	71.0	78.1 38	59.0 41		93 38	84.9	6.7	87.0	44 36	53.1	5.3	52.0	SEP
OCT	9	55.3	2.3	55.0	59.4 36	51.5 41		81 43	70.9	5.5	70.0	35 43	41.7	4.8	42.0	OCT

MINIMUM DAILY TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION		DECEPTION CREEK HQ 10-DAY AND MONTHLY PERIOD MEANS						1936-1945 10-DAY AND MONTHLY EXTREME DAILY VALUES						
PRO. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR		HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRO. BEGINS
MAY 1	9	31.5	3.3	31.0	35.9 41	26.5 37		50 41	38.2	5.7	39.0	22 39	26.1	3.2	27.0	MAY 1
MAY 11	9	34.7	3.5	35.0	39.2 41	28.7 43		53 41	42.9	6.1	42.0	24 42	27.8	3.5	27.0	MAY 11
MAY 21	10	38.3	2.7	38.0	42.8 42	33.0 37		53 42	48.9	2.8	49.0	27 40	30.2	3.0	30.0	MAY 21
JUN 1	10	39.3	3.3	39.5	43.8 36	35.0 39		54 44	46.1	3.5	46.0	25 39	32.3	4.4	33.5	JUN 1
JUN 11	10	41.7	2.5	41.5	45.1 41	37.9 45		52 37	48.8	2.4	49.0	30 45	33.7	3.4	33.5	JUN 11
JUN 21	10	42.9	2.9	43.0	46.5 38	38.9 39 M		58 37	50.2	4.2	49.0	29 39	34.8	3.8	34.5	JUN 21
JUL 1	10	43.3	2.5	42.0	46.9 36	38.9 44		56 41	50.5	3.1	50.5	32 44	36.5	2.8	35.5	JUL 1
JUL 11	10	44.2	3.1	43.5	48.8 41	37.8 43		56 41	51.6	3.0	51.5	30 43	36.0	3.8	35.5	JUL 11
JUL 21	10	44.3	1.8	44.5	46.8 40	40.4 36		59 44	52.7	5.0	53.0	32 45	36.6	3.0	37.0	JUL 21
AUG 1	10	40.9	3.0	40.5	44.2 42	34.3 38		56 45	49.2	5.0	50.0	29 38	34.7	3.1	34.5	AUG 1
AUG 11	10	40.5	2.7	40.5	45.6 41	37.4 43		55 41	48.8	5.2	49.0	29 45	32.0	2.5	32.0	AUG 11
AUG 21	10	39.4	2.7	39.5	44.7 41	35.6 37		51 41	46.7	2.7	46.0	28 37	32.2	2.3	32.0	AUG 21
SEP 1	10	40.6	3.3	40.5	44.1 41	33.8 43		53 36	48.9	3.5	49.5	28 43	32.9	3.2	33.0	SEP 1
SEP 11	9	38.1	4.6	38.0	47.1 40	31.4 36		52 40	45.1	4.9	45.0	24 43	31.7	5.3	32.0	SEP 11
SEP 21	9	35.7	4.7	33.0	44.9 40	30.9 37		52 40	43.8	5.2	42.0	23 37	28.8	5.3	28.0	SEP 21
OCT 1	9	36.1	3.3	36.0	40.4 38	30.0 36		47 43	43.2	3.5	44.0	25 36	29.9	3.2	30.0	OCT 1
OCT 11	9	34.2	3.8	33.0	42.1 40	28.5 38		51 40	42.8	3.7	42.0	20 38	27.6	5.4	27.0	OCT 11
OCT 21	9	32.0	4.6	32.0	39.5 37	24.6 36		46 40	40.0	4.6	41.0	18 42	25.0	5.8	26.0	OCT 21
MONTH																MONTH
MAY	9	35.0	2.7	36.0	38.5 41	30.4 37		53 42	49.4	3.2	51.0	22 39	25.3	2.7	24.0	MAY
JUN	10	41.3	2.1	40.0	44.5 36	38.1 39 M		58 37	51.0	3.4	49.5	25 39	30.5	3.0	30.5	JUN
JUL	10	43.9	1.5	43.0	46.9 41	42.3 43		59 44	54.6	3.1	54.0	30 43	33.7	2.6	33.5	JUL
AUG	10	40.2	2.4	39.0	44.8 41	36.2 38		56 45	51.3	3.3	51.5	28 37	31.1	2.1	31.5	AUG
SEP	9	38.0	3.5	36.0	45.2 40	33.4 43		53 36	49.7	2.6	50.0	23 37	27.7	4.8	26.0	SEP
OCT	9	34.0	2.9	33.0	39.5 40	29.1 36		51 40	44.9	3.0	44.0	18 42	23.1	4.8	22.0	OCT

(con.)

Table 9 (Con.)

MAXIMUM DAILY TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 101956 COEUR D'ALENE

1931-1980

10-DAY AND MONTHLY PERIOD MEANS

10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG.YR	LOWEST AVG.YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
JAN 1	49	34.1	6.1	34.0	43.4 53	19.7 74	56 53	41.9	6.2	42.0	10 49	26.3	7.6	29.0	JAN 1
JAN 11	49	34.7	6.6	37.0	45.8 53 M	16.6 50	52 45	42.7	6.3	44.0	4 50	25.9	9.5	30.0	JAN 11
JAN 21	49	34.4	6.9	35.0	45.5 53	15.8 37	58 71	43.2	6.9	45.0	3 35	24.8	9.2	27.0	JAN 21
FEB 1	50	38.2	6.0	39.0	46.2 34	18.8 36	58 62	45.7	5.5	45.0	-2 36	28.9	10.0	32.5	FEB 1
FEB 11	50	40.6	6.0	40.5	54.2 77	15.1 36	59 77	47.9	6.2	48.0	8 36	33.3	8.2	35.0	FEB 11
FEB 21	50	43.3	4.7	43.0	55.3 68	30.9 62	62 68	49.6	5.4	49.0	22 57	36.4	5.6	37.0	FEB 21
MAR 1	50	44.3	5.2	43.0	56.7 68	35.1 51	69 53	52.2	6.5	52.0	23 60	36.5	5.7	37.0	MAR 1
MAR 11	50	48.0	4.9	47.0	62.3 34	40.0 43	70 72	56.8	6.3	56.0	28 65	40.1	4.9	40.0	MAR 11
MAR 21	50	51.1	5.5	51.0	63.2 41	40.4 65	73 78	60.9	6.6	61.0	31 64	42.2	5.3	43.0	MAR 21
APR 1	50	55.5	5.9	55.0	66.7 42	43.0 35	82 77	64.7	6.8	64.0	25 36	46.6	6.0	47.0	APR 1
APR 11	50	59.2	6.6	57.0	73.0 43	47.4 55	84 43	70.1	7.7	70.0	37 68	48.6	5.9	47.0	APR 11
APR 21	48	62.0	6.1	60.5	78.9 77	52.7 70	94 77	73.6	8.1	73.0	38 62	51.0	6.3	49.0	APR 21
MAY 1	49	65.9	6.2	65.0	80.8 66	50.3 33	90 66	76.6	7.6	77.0	45 75	54.5	6.2	54.0	MAY 1
MAY 11	49	68.9	5.4	69.0	80.9 73	53.8 74	92 39	80.1	6.7	80.0	44 67	57.1	5.8	57.0	MAY 11
MAY 21	49	71.6	5.6	71.0	86.6 58	59.9 32	95 36	82.6	6.5	84.0	50 60	59.0	5.6	58.0	MAY 21
JUN 1	50	73.8	5.4	72.5	85.3 70	65.3 39 M	95 70	84.2	5.4	84.5	49 66	62.2	6.6	61.0	JUN 1
JUN 11	50	75.4	5.5	74.0	90.9 74	66.3 43	98 61	85.5	6.0	84.0	53 38	64.2	6.7	64.0	JUN 11
JUN 21	50	77.5	5.1	76.5	87.4 73	65.8 69	102 73	88.2	5.8	88.5	54 41	65.3	6.6	64.5	JUN 21
JUL 1	50	82.6	5.0	82.0	95.2 75	71.5 35	103 75	91.6	4.5	92.0	58 66	71.5	6.8	71.0	JUL 1
JUL 11	50	86.3	5.1	86.0	97.1 60	74.3 80	105 75	95.7	5.4	97.0	64 78	75.3	6.1	74.0	JUL 11
JUL 21	50	88.8	3.9	89.0	96.4 39	79.2 40	108 39	97.5	4.4	97.0	59 48	77.9	7.6	79.5	JUL 21
AUG 1	50	87.4	5.1	87.0	96.4 71	76.8 57	109 61	95.5	4.8	96.0	62 37	77.3	7.2	78.0	AUG 1
AUG 11	50	86.7	6.1	86.5	100.0 67	70.1 78	103 67	94.7	4.6	95.0	59 78	76.5	8.7	77.5	AUG 11
AUG 21	50	82.0	6.0	82.0	92.5 67	67.3 60	104 46	92.8	6.1	93.5	56 64	70.3	7.2	71.0	AUG 21
SEP 1	50	79.5	5.7	78.0	91.9 55	65.9 41	102 67	89.4	6.2	90.0	54 71	67.6	7.9	66.5	SEP 1
SEP 11	50	74.6	6.6	74.0	88.5 38	58.8 47	98 38	85.7	7.1	86.5	45 47	63.1	7.3	62.0	SEP 11
SEP 21	50	71.7	7.9	70.0	86.8 67	57.1 34	94 43	80.9	7.7	82.0	41 34	61.1	8.5	60.5	SEP 21
OCT 1	50	66.8	6.9	65.5	85.3 43 M	48.2 46	87 43	76.2	7.0	78.0	37 46	57.0	8.1	56.0	OCT 1
OCT 11	50	61.5	5.0	62.0	72.2 74	47.5 46	85 34	70.0	5.9	70.0	36 46	53.4	6.1	53.0	OCT 11
OCT 21	50	54.9	5.0	54.0	67.3 65	46.0 71	73 69	63.7	5.7	64.0	20 35	46.2	7.0	46.0	OCT 21
NOV 1	50	48.5	4.5	48.5	57.0 80 M	37.0 35	71 75	55.9	5.3	55.5	27 35	41.0	5.3	41.0	NOV 1
NOV 11	49	43.6	4.5	43.0	51.1 76	27.6 55 M	61 36	51.1	4.6	51.0	11 55	36.1	6.2	37.0	NOV 11
NOV 21	50	41.2	4.0	40.5	50.8 33	30.5 31	59 54	48.9	5.4	50.0	23 77	33.9	4.6	34.0	NOV 21
DEC 1	50	38.9	4.5	39.0	47.7 39	23.8 72 M	57 58	47.7	5.5	48.0	10 32	30.5	5.9	31.0	DEC 1
DEC 11	50	36.7	5.4	36.0	45.1 76	24.9 32	52 76	44.4	5.2	45.5	4 64	28.9	7.3	31.0	DEC 11
DEC 21	50	36.4	4.8	36.0	48.0 80	23.5 68	60 33	45.0	5.3	45.0	-4 68	27.6	7.2	29.0	DEC 21
MONTH															MONTH
JAN	49	34.4	5.1	35.0	44.9 53 M	19.6 37	58 71	47.4	4.3	47.0	3 35	20.0	8.6	20.0	JAN
FEB	50	40.5	4.5	40.5	48.6 68	23.5 36	62 68	52.3	4.5	52.0	-2 36	26.8	9.5	29.5	FEB
MAR	50	47.9	3.7	47.0	59.1 41	41.0 55	73 78	62.2	5.7	62.0	23 60	34.8	5.2	35.0	MAR
APR	48	58.7	4.2	57.5	68.6 34	52.0 55	94 77	75.8	7.1	75.5	25 36	43.9	4.8	44.0	APR
MAY	49	68.9	3.9	69.0	79.1 58	59.9 33	95 36	85.7	4.7	85.0	44 67	51.5	4.2	51.0	MAY
JUN	50	75.6	3.2	75.0	84.2 61	69.7 53	102 73	91.0	4.3	91.0	49 66	58.4	3.8	58.0	JUN
JUL	50	86.0	2.7	86.0	92.7 60	80.6 48	108 39	99.3	4.0	99.0	58 66	68.4	5.3	68.0	JUL
AUG	50	85.3	4.2	86.0	94.0 67	76.7 64	109 61	97.8	4.0	98.0	56 64	68.0	6.4	67.5	AUG
SEP	50	75.3	5.0	75.0	85.9 67	64.8 41	102 67	90.6	5.3	91.0	41 34	57.1	6.1	57.0	SEP
OCT	50	60.9	4.0	60.0	69.5 52	47.6 46	87 43	77.2	5.8	78.0	20 35	45.3	6.3	46.0	OCT
NOV	49	44.4	2.9	44.0	50.1 54	38.7 35	71 75	56.9	4.7	57.0	11 55	32.0	5.4	32.0	NOV
DEC	50	37.3	2.9	37.0	42.9 57 M	30.4 48	60 33	50.2	4.0	50.5	-4 68	23.3	7.4	25.0	DEC

(con.)

Table 9 (Con.)

MINIMUM DAILY TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 101956 COUER D'ALENE 1931-1980

10-DAY AND MONTHLY PERIOD MEANS | 10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG.YR	LOWEST AVG.YR	HIGH.YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW.YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
JAN 1	49	21.7	9.1	24.0	33.0 54	-1.5 37	42 63	31.4	5.7	33.0	-16 37	10.7	11.8	13.0	JAN 1
JAN 11	49	21.9	9.4	25.0	36.0 53 M	-4.0 49	46 53	31.9	6.9	33.0	-27 35	8.9	14.2	12.0	JAN 11
JAN 21	49	19.8	9.5	21.0	35.0 53 M	-3.9 57	48 71	31.8	6.8	33.0	-30 50	5.1	14.4	7.0	JAN 21
FEB 1	50	22.4	8.3	25.0	32.3 61	-2.2 33	44 45	32.4	5.6	33.0	-29 33	9.2	15.6	15.5	FEB 1
FEB 11	50	24.1	7.6	25.0	33.6 58	-9.0 36	42 58	32.9	5.3	33.0	-21 36	14.0	11.3	16.0	FEB 11
FEB 21	50	25.7	5.5	27.0	33.5 58	10.4 62	44 61	33.4	3.7	34.0	-5 57	17.7	8.5	20.0	FEB 21
MAR 1	50	25.3	4.6	25.0	32.7 34	10.4 43	41 72	33.9	3.7	33.5	-13 55	14.7	9.0	16.5	MAR 1
MAR 11	50	28.0	3.9	28.0	37.0 72	19.0 43	43 40	35.2	3.2	35.0	-1 56	19.5	7.7	21.0	MAR 11
MAR 21	50	29.9	3.4	30.0	38.0 78	21.5 65	46 70	37.4	3.3	37.0	7 55	22.0	5.6	23.5	MAR 21
APR 1	50	31.8	2.8	31.5	38.7 34	24.5 35	48 61	39.8	3.6	40.0	5 36	24.2	4.6	25.0	APR 1
APR 11	50	33.8	2.3	33.0	40.8 36	29.1 70	48 38	41.5	2.9	41.5	19 66	26.8	3.3	27.0	APR 11
APR 21	49	36.3	3.2	36.0	45.1 34	30.5 50	51 80	44.0	3.8	44.0	18 51	29.1	4.0	29.0	APR 21
MAY 1	49	38.8	3.1	38.0	46.6 80	32.6 35	53 47	46.6	3.3	47.0	21 54	31.1	4.3	30.0	MAY 1
MAY 11	49	40.9	2.9	40.0	47.3 57	31.8 43	57 31	49.2	4.4	49.0	27 55	32.8	3.4	32.0	MAY 11
MAY 21	49	43.5	3.1	43.0	52.6 58	38.4 50	60 61	52.6	4.0	53.0	21 51	35.5	4.3	35.0	MAY 21
JUN 1	50	46.4	3.2	46.0	53.1 69	40.1 51	65 58	54.5	4.5	54.0	29 51	38.8	3.6	39.0	JUN 1
JUN 11	50	47.8	3.0	47.5	54.1 63	40.8 46	65 63	55.6	3.7	55.0	28 46	40.2	4.1	40.0	JUN 11
JUN 21	50	49.3	3.2	48.0	57.1 38	42.9 43	65 37	56.9	3.7	56.0	34 46	42.1	4.0	43.0	JUN 21
JUL 1	50	50.7	3.0	50.0	57.1 70	44.1 44	66 31	58.4	3.3	59.0	36 71	43.1	3.9	43.0	JUL 1
JUL 11	50	52.7	2.7	52.0	59.8 38	45.8 43	70 67	60.6	3.9	61.0	37 45	45.5	3.8	45.0	JUL 11
JUL 21	50	53.4	2.7	53.0	59.2 38	46.8 54	69 37	61.3	4.0	61.0	36 51	45.7	3.9	46.0	JUL 21
AUG 1	50	52.3	3.0	51.0	58.9 71	44.6 46	71 61	60.2	3.9	61.0	38 47	45.3	4.5	45.5	AUG 1
AUG 11	50	51.5	2.8	51.0	58.0 34 M	45.6 40	69 61	59.5	4.0	59.0	33 45	43.8	4.6	44.0	AUG 11
AUG 21	50	49.7	2.2	49.0	56.0 61	45.4 47	66 67	57.3	3.0	57.0	35 45	41.7	3.2	42.0	AUG 21
SEP 1	50	47.2	3.1	47.0	54.4 67	40.2 48	62 67	55.5	3.4	56.0	31 62	39.2	3.9	39.0	SEP 1
SEP 11	50	44.5	3.4	44.0	51.7 80	37.5 70	59 68	53.1	3.7	54.0	24 34	36.5	5.2	37.0	SEP 11
SEP 21	50	41.7	3.7	40.5	49.0 38	34.1 34	60 67	50.7	4.3	51.0	24 34	33.8	4.8	34.0	SEP 21
OCT 1	48	39.4	2.7	39.0	45.9 51 M	35.0 74	55 65	48.1	3.2	48.0	22 50	31.9	3.7	31.5	OCT 1
OCT 11	49	37.5	3.6	37.0	44.4 40	28.4 49	57 40	46.3	3.8	47.0	19 49	30.0	4.2	30.0	OCT 11
OCT 21	50	35.4	3.3	35.0	43.4 37	25.5 35	53 37	44.2	3.8	45.0	2 35	26.9	5.4	27.0	OCT 21
NOV 1	50	32.0	4.6	31.5	42.6 80 M	17.6 35	49 78	40.3	4.5	40.0	0 35	23.8	6.7	25.0	NOV 1
NOV 11	49	30.0	5.5	30.0	38.4 54	8.6 55 M	47 32	38.3	3.7	39.0	-12 55	21.9	8.8	24.0	NOV 11
NOV 21	50	28.4	4.9	29.0	37.3 49 M	7.3 31	46 49	36.5	5.3	37.0	0 31	20.3	6.5	21.0	NOV 21
DEC 1	50	27.5	4.5	28.0	33.8 79	8.3 72 M	47 75	36.2	4.0	36.0	-7 72	17.4	8.2	19.0	DEC 1
DEC 11	50	25.6	6.8	26.0	35.2 62	9.0 64	41 62	34.0	4.4	34.0	-16 64	16.3	10.5	19.5	DEC 11
DEC 21	50	25.2	5.7	25.5	36.9 80	9.5 68	48 80	34.8	4.5	34.5	-26 68	13.1	10.1	14.5	DEC 21
MONTH															MONTH
JAN	49	21.1	7.3	22.0	33.7 53 M	-2.3 37	48 71	35.7	4.5	35.0	-30 50	-0.2	12.7	1.0	JAN
FEB	50	24.0	5.2	24.0	32.5 58	4.1 36	44 61	36.1	2.9	36.0	-29 33	4.9	13.6	10.0	FEB
MAR	50	27.8	2.8	27.5	32.5 72	20.9 43	46 70	38.2	2.9	38.5	-13 55	12.7	8.7	14.5	MAR
APR	49	34.0	1.9	33.0	39.8 34	29.9 51	51 80	45.2	3.0	45.0	5 36	23.2	4.3	24.0	APR
MAY	49	41.2	2.1	41.0	46.1 58	37.5 43	60 61	53.5	3.5	54.0	21 54	29.6	3.3	30.0	MAY
JUN	50	47.8	2.4	47.0	51.8 36	42.1 46	65 63	58.9	3.3	59.0	28 46	37.6	3.5	38.0	JUN
JUL	50	52.3	2.1	52.0	57.9 38	48.6 51	70 67	63.2	3.0	63.0	36 71	41.8	3.1	42.0	JUL
AUG	50	51.1	2.1	51.0	55.6 61	47.6 40	71 61	62.1	3.3	62.0	33 45	40.8	3.3	40.0	AUG
SEP	50	44.5	2.4	44.0	49.5 63	40.4 43	62 67	56.9	2.4	57.0	24 34	32.2	4.1	31.0	SEP
OCT	48	37.4	2.1	37.0	42.2 40	32.7 49	57 40	49.5	3.0	49.0	2 35	25.9	5.1	26.0	OCT
NOV	49	30.1	3.3	30.0	36.3 34	21.8 36	49 78	42.2	3.5	42.0	-12 55	16.2	8.4	18.0	NOV
DEC	50	26.1	3.4	26.0	31.4 50	17.8 32	48 80	38.5	3.7	38.0	-26 68	8.0	10.2	11.0	DEC

(con.)

Table 9 (Con.)

MAXIMUM DAILY TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100304 FERNAN RS

10-DAY AND MONTHLY PERIOD MEANS

10-DAY AND MONTHLY EXTREME DAILY VALUES 1951-1970

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG.YR	LOWEST AVG.YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
MAY 1	14	65.5	6.7	63.5	80.8 66	56.3 64	90 66	76.6	8.0	77.0	46 64	53.9	5.6	53.0	MAY 1
MAY 11	16	69.6	4.3	69.5	75.8 54	63.2 55	90 56	80.6	5.5	80.5	44 67	56.4	6.7	58.0	MAY 11
MAY 21	17	72.0	6.5	70.0	86.7 58	64.3 60	93 58	81.6	6.9	84.0	50 60	60.1	7.8	58.0	MAY 21
JUN 1	19	74.5	5.7	73.0	85.3 70	66.2 53	95 70	84.3	5.8	83.0	49 66	63.1	7.1	62.0	JUN 1
JUN 11	19	75.7	5.0	75.0	84.6 63	67.9 54	92 70	85.7	5.3	86.0	55 56	64.4	6.1	64.0	JUN 11
JUN 21	20	77.0	4.8	76.0	84.6 70	65.8 69	98 58	86.4	5.6	85.5	55 69	64.9	4.1	65.0	JUN 21
JUL 1	20	83.1	5.0	83.0	94.0 68	71.7 55	99 68	92.3	3.9	92.5	58 66	71.4	6.7	72.5	JUL 1
JUL 11	20	87.9	4.8	87.5	97.1 60	79.8 57	103 60	95.9	4.2	97.0	65 63	78.0	6.0	78.5	JUL 11
JUL 21	20	88.8	4.3	89.0	94.7 62	82.4 63	106 59	96.0	4.1	96.0	67 65	78.8	7.1	80.0	JUL 21
AUG 1	20	87.6	5.4	88.0	96.3 61	76.8 57	109 61	95.3	6.0	96.0	64 62	77.8	6.5	80.0	AUG 1
AUG 11	20	87.3	6.1	87.0	100.2 67	74.3 68	103 67	94.6	4.8	94.5	60 59	77.1	9.6	77.5	AUG 11
AUG 21	20	80.9	7.2	80.5	92.5 67	67.3 60	103 67	92.1	7.7	91.0	56 64	69.3	8.5	68.0	AUG 21
SEP 1	20	80.5	6.4	80.0	91.9 55	69.1 64	102 67	88.9	6.5	89.5	57 64	69.9	8.3	70.0	SEP 1
SEP 11	20	75.6	6.2	75.5	83.7 56	61.8 65	96 58	86.6	6.2	87.5	53 65	64.6	6.6	63.5	SEP 11
SEP 21	20	71.9	7.6	69.0	86.8 67	60.8 59	93 67	80.3	8.1	79.0	48 68	61.0	8.1	59.5	SEP 21
OCT 1	18	66.7	5.6	65.0	77.7 52	58.1 59	84 70	77.6	5.2	78.0	44 57	55.4	7.7	54.5	OCT 1
OCT 11	16	60.7	5.4	61.0	71.4 63	52.8 51	79 61	68.5	6.0	68.0	45 51	52.9	4.5	52.5	OCT 11
OCT 21	13	56.6	6.0	57.0	67.4 65	47.3 56 M	73 69	65.9	6.1	67.0	34 57	47.4	7.4	47.0	OCT 21
MONTH															MONTH
MAY	16	69.0	3.7	68.0	74.6 52 M	62.9 62	93 58	84.4	4.6	84.5	44 67	51.1	4.5	51.0	MAY
JUN	19	75.6	2.8	75.0	80.8 70	70.1 53	98 58	89.4	4.2	89.0	49 66	58.6	3.6	59.0	JUN
JUL	20	86.7	3.0	87.0	92.7 60	81.4 55	106 59	98.1	3.5	98.5	58 66	69.6	6.2	68.0	JUL
AUG	20	85.1	5.0	86.0	94.1 67	76.9 64	109 61	98.1	4.5	98.0	56 64	67.9	7.6	67.5	AUG
SEP	20	76.0	5.0	76.0	86.1 67	67.7 65	102 67	90.3	5.6	90.5	48 68	58.1	5.2	57.5	SEP
OCT	13	61.2	4.4	60.0	69.5 52	54.5 51 M	84 70	77.7	3.7	78.0	34 57	46.2	5.7	47.0	OCT

MINIMUM DAILY TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100304 FERNAN RS

10-DAY AND MONTHLY PERIOD MEANS

10-DAY AND MONTHLY EXTREME DAILY VALUES 1951-1970

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG.YR	LOWEST AVG.YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
MAY 1	14	38.6	2.9	38.5	45.3 57	34.4 68	51 54	46.6	3.0	47.5	21 54	31.0	5.0	30.0	MAY 1
MAY 11	16	41.3	2.5	40.0	47.3 57	37.8 66	55 54	49.6	3.9	48.5	27 55	32.8	4.1	32.0	MAY 11
MAY 21	17	43.9	3.6	43.0	52.6 58	38.0 55	60 58	52.4	4.1	52.0	29 53	36.6	4.8	36.0	MAY 21
JUN 1	19	46.9	3.8	47.0	53.1 69	39.1 51	65 58	54.7	4.5	54.0	29 51	39.8	3.8	40.0	JUN 1
JUN 11	19	47.7	2.6	47.0	54.1 63	42.6 52	65 63	55.9	4.1	55.0	34 52	40.0	3.0	40.0	JUN 11
JUN 21	20	48.7	3.0	48.0	55.4 70	42.4 51	64 59	56.6	3.7	56.0	33 51	42.1	3.2	43.0	JUN 21
JUL 1	20	50.2	2.9	50.0	57.1 70	44.5 51	64 70	58.2	3.7	59.0	36 51	42.9	3.5	43.0	JUL 1
JUL 11	20	53.1	2.6	52.0	57.6 70	48.6 69	65 68	60.3	3.8	61.0	40 51	46.5	3.6	46.0	JUL 11
JUL 21	20	53.0	3.1	53.0	57.7 64	46.8 54	68 59	60.8	4.3	61.5	36 51	45.5	3.8	45.5	JUL 21
AUG 1	20	52.5	3.1	53.0	57.4 65	45.6 51	71 61	59.8	4.2	61.0	38 51	46.2	3.8	46.0	AUG 1
AUG 11	20	51.9	2.3	51.0	56.0 58	48.4 51	69 61	60.4	4.2	59.5	40 51	45.3	2.9	45.0	AUG 11
AUG 21	20	50.1	2.5	48.5	56.0 61	47.5 54	66 67	57.6	3.7	57.0	36 52	42.1	3.3	42.0	AUG 21
SEP 1	20	47.0	3.3	46.5	54.4 67	41.9 56	62 67	55.0	3.7	54.0	30 53	38.9	4.9	38.5	SEP 1
SEP 11	20	45.0	3.1	46.0	49.7 59	37.5 70	59 68	53.8	3.1	54.0	27 65	37.2	5.2	39.5	SEP 11
SEP 21	20	42.7	3.6	42.0	48.5 66	36.9 70	61 66	51.2	4.6	51.5	28 54	34.6	4.3	34.5	SEP 21
OCT 1	18	39.9	2.7	38.5	45.9 51 M	36.7 61	55 65	49.0	3.8	48.5	28 68	32.7	3.5	32.0	OCT 1
OCT 11	16	37.8	3.6	37.5	43.8 55	28.8 69	50 55	45.8	2.9	46.5	25 70	30.8	4.1	30.0	OCT 11
OCT 21	13	35.9	2.5	36.0	40.8 62	31.6 51	50 63	44.2	4.0	45.0	21 51	27.8	3.9	27.0	OCT 21
MONTH															MONTH
MAY	16	41.3	1.9	40.5	45.7 57	38.6 55 M	60 58	53.0	2.9	54.0	21 54	29.3	3.5	30.0	MAY
JUN	19	47.7	2.4	47.0	51.8 58	43.0 51	65 63	59.2	3.5	59.0	29 51	38.4	3.3	39.0	JUN
JUL	20	52.1	2.2	52.0	56.6 70	47.9 51	68 59	62.6	2.8	63.0	36 51	42.1	2.5	42.0	JUL
AUG	20	51.5	2.1	51.0	55.6 61	47.4 51	71 61	62.3	3.7	62.0	36 52	42.0	3.1	42.0	AUG
SEP	20	44.9	2.4	44.0	49.1 67	41.0 65	62 67	56.8	2.9	56.5	27 65	32.8	4.1	31.5	SEP
OCT	13	38.0	1.8	37.0	41.2 63	35.2 69	55 65	50.5	3.3	50.0	21 51	27.2	3.3	27.0	OCT

(con.)

Table 9 (Con.)

MAXIMUM DAILY TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100409 KINGSTON RS 1951-1970

10-DAY AND MONTHLY PERIOD MEANS

10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
MAY 1	9	63.5	7.8	62.0	80.1 66	53.9 64	90 66	74.8	8.4	72.0	43 64	52.0	7.4	52.0	MAY 1
MAY 11	9	69.0	3.8	69.0	73.4 69 M	61.6 66	85 70	78.9	3.9	79.0	43 67	57.4	6.7	60.0	MAY 11
MAY 21	11	71.4	4.2	71.0	78.2 63	63.3 68 M	87 61	81.7	4.2	83.0	54 66	59.6	5.4	58.0	MAY 21
JUN 1	20	74.2	5.2	73.5	83.8 70	66.8 51	94 70	83.6	5.3	83.5	49 66	62.6	6.3	62.0	JUN 1
JUN 11	20	75.3	5.5	74.5	87.0 61	67.3 54	97 61	85.2	5.3	85.5	52 56	63.5	6.7	63.5	JUN 11
JUN 21	20	75.8	4.9	74.5	84.0 70	64.7 69	97 55	85.4	5.8	85.5	54 69	63.6	4.4	63.0	JUN 21
JUL 1	20	81.4	5.1	82.0	91.7 68	69.9 55	97 64	90.6	4.0	90.5	55 66	70.1	6.4	70.5	JUL 1
JUL 11	20	85.8	4.6	86.0	94.7 60	78.5 63	102 67	93.8	4.6	94.5	62 63	75.8	6.3	76.0	JUL 11
JUL 21	20	86.5	4.1	86.0	92.9 62	80.0 70	101 59	93.0	4.0	94.0	65 64	76.5	7.0	78.5	JUL 21
AUG 1	20	85.8	5.0	86.5	95.9 61	77.0 64	107 61	93.1	5.9	94.0	62 62	76.3	6.6	77.0	AUG 1
AUG 11	20	85.4	5.9	85.0	97.4 67	71.4 68	101 61	92.7	4.7	92.0	59 68	75.1	9.3	76.0	AUG 11
AUG 21	20	79.4	6.9	78.5	90.0 67	66.5 60	100 66	90.3	7.2	89.5	57 60	68.1	8.3	67.0	AUG 21
SEP 1	20	78.9	6.1	78.0	89.3 55	67.8 64	98 67	87.2	5.6	87.0	56 64	67.5	7.4	66.5	SEP 1
SEP 11	20	74.2	6.3	74.5	85.6 53 M	60.2 65	95 53	85.8	5.8	86.0	49 65	62.2	6.9	60.0	SEP 11
SEP 21	20	71.6	8.0	69.0	85.0 63	59.2 59	92 67	80.3	8.8	78.0	47 56	59.5	9.1	57.0	SEP 21
OCT 1	9	67.1	6.6	65.0	78.3 52	55.5 69	87 57	77.9	6.3	78.0	46 70	56.7	8.8	54.0	OCT 1
OCT 11	7	61.3	6.1	61.0	72.7 63 M	54.1 69	76 63	70.1	5.8	70.0	47 69	52.9	5.3	52.0	OCT 11
OCT 21	6	57.7	5.5	56.0	66.1 65 M	50.7 70	70 69	67.0	4.2	68.5	44 70	47.8	4.6	46.5	OCT 21
MONTH															MONTH
MAY	8	68.3	2.7	67.5	72.1 66	65.0 64	90 66	84.5	2.8	83.5	43 67	48.4	4.6	50.0	MAY
JUN	20	75.1	3.1	74.0	83.6 61	70.2 53	97 61	88.9	4.1	88.5	49 66	58.6	4.4	59.5	JUN
JUL	20	84.6	2.6	85.0	90.5 60	80.5 55	102 67	95.9	3.3	96.0	55 66	67.6	5.7	68.5	JUL
AUG	20	83.4	4.7	83.5	92.8 61	75.6 64	107 61	96.4	4.1	97.0	57 60	66.8	7.5	66.5	AUG
SEP	20	74.9	5.1	74.0	83.9 67	66.4 65	98 67	89.1	4.9	89.5	47 56	55.9	5.2	56.0	SEP
OCT	5	60.9	4.2	61.0	66.2 63 M	55.1 69	87 57	78.6	6.2	78.0	44 70	46.2	2.5	46.0	OCT

MINIMUM DAILY TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100409 KINGSTON RS 1951-1970

10-DAY AND MONTHLY PERIOD MEANS

10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
MAY 1	9	35.4	3.1	35.0	40.7 66	30.7 68 M	48 66	42.2	3.9	43.0	25 67	29.1	2.8	30.0	MAY 1
MAY 11	9	37.3	2.3	37.0	40.5 69 M	34.5 66	52 70	45.0	4.2	45.0	26 66	30.1	3.6	30.0	MAY 11
MAY 21	11	40.1	2.3	40.0	43.2 61	36.5 51	52 69	49.4	2.7	50.0	26 66	31.0	4.0	32.0	MAY 21
JUN 1	19	44.1	3.8	44.0	50.0 57	37.4 51	60 52	52.1	4.3	53.0	28 51	36.3	3.7	37.0	JUN 1
JUN 11	19	44.3	2.6	43.0	49.5 63	39.3 54	59 63	52.1	3.1	52.0	31 54	36.3	3.6	36.0	JUN 11
JUN 21	19	44.0	3.4	44.0	50.8 70	36.9 53 M	63 70	52.1	4.8	52.0	28 53	35.5	3.8	35.0	JUN 21
JUL 1	19	45.3	3.0	45.0	51.2 70	38.7 62	60 54	53.1	3.6	54.0	31 62	38.4	3.5	39.0	JUL 1
JUL 11	19	47.1	2.7	46.0	51.5 70	39.7 62	60 67	54.5	3.5	55.0	33 62	40.4	3.1	41.0	JUL 11
JUL 21	19	45.6	3.2	46.0	50.8 55	39.5 54	73 55	54.3	7.6	52.0	33 54	38.6	3.3	39.0	JUL 21
AUG 1	19	45.7	3.1	46.0	51.8 65	40.6 69	62 65	53.6	5.5	53.0	32 54	39.5	3.5	40.0	AUG 1
AUG 11	19	44.8	2.8	45.0	49.2 65	40.9 52	62 65	52.9	4.9	52.0	33 69	38.4	2.8	38.0	AUG 11
AUG 21	19	44.4	2.7	44.0	47.9 61	38.0 55	61 67	52.4	4.6	53.0	30 59	36.4	3.7	37.0	AUG 21
SEP 1	20	41.8	3.1	41.5	46.7 67	36.1 56	63 67	50.6	4.5	50.0	25 56	34.3	4.6	35.0	SEP 1
SEP 11	19	40.4	3.8	40.0	47.3 59	32.5 70	57 59	49.3	3.8	49.0	22 70	32.5	5.5	34.0	SEP 11
SEP 21	20	39.1	3.8	38.5	45.0 63	30.9 61	60 67	48.4	4.5	47.5	24 70	31.0	5.2	31.5	SEP 21
OCT 1	9	36.3	2.2	36.0	39.4 63 M	32.1 52 M	54 66	43.7	5.6	43.0	24 66	29.1	4.4	28.0	OCT 1
OCT 11	7	34.2	4.1	35.0	38.9 65 M	27.8 69	50 67	43.0	3.7	42.0	22 70	26.0	4.3	26.0	OCT 11
OCT 21	5	34.4	3.8	35.0	37.3 66 M	27.8 70	50 63	42.2	6.5	43.0	23 70	26.8	3.3	28.0	OCT 21
MONTH															MONTH
MAY	8	38.0	1.2	38.0	39.7 69 M	35.9 65	52 70	50.9	2.1	52.0	25 67	27.5	2.1	26.5	MAY
JUN	19	44.1	2.5	44.0	48.6 58	40.6 51 M	63 70	54.7	3.8	54.0	28 53	33.6	3.4	34.0	JUN
JUL	18	46.2	1.8	45.5	50.5 70	42.7 53 M	73 55	57.9	5.0	56.0	31 62	36.7	2.3	37.0	JUL
AUG	19	45.0	2.2	45.0	49.2 65	40.1 55	62 65	56.7	3.9	57.0	30 59	35.4	3.2	36.0	AUG
SEP	19	40.5	2.9	40.0	45.4 63	34.8 61	63 67	52.4	4.2	52.0	22 70	28.0	4.6	26.0	SEP
OCT	5	34.7	2.4	34.0	37.1 63 M	31.2 70	54 66	47.8	4.6	48.0	22 70	23.2	1.8	22.0	OCT

(con.)

Table 9 (Con.)

MAXIMUM DAILY TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100412 MAGEE RS 1963-1972

10-DAY AND MONTHLY PERIOD MEANS | 10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
JUN 1	8	72.7	6.4	73.0	80.0 70	64.4 71	91 70	82.0	6.7	82.0	48 66	60.5	8.5	62.0	JUN 1
JUN 11	9	70.6	5.0	68.0	79.7 69	66.1 71	90 67	83.0	5.6	85.0	50 72	57.9	6.1	57.0	JUN 11
JUN 21	9	71.8	5.5	71.0	80.1 70	61.8 69	90 70	83.7	4.4	85.0	51 69	57.9	5.6	57.0	JUN 21
JUL 1	9	80.0	5.9	81.0	89.2 68	71.1 71	95 64	87.7	5.6	88.0	54 66	67.0	8.2	70.0	JUL 1
JUL 11	10	81.2	4.7	82.0	87.0 67	71.9 72	100 67	90.6	5.5	90.5	60 72	69.0	5.4	69.0	JUL 11
JUL 21	10	82.8	3.3	83.0	87.4 71	76.2 70	93 68	90.0	2.7	90.0	64 65	72.2	6.8	72.5	JUL 21
AUG 1	10	85.2	5.0	84.5	92.5 71	74.6 64	97 63	91.4	4.7	93.0	62 64	75.8	7.3	75.5	AUG 1
AUG 11	10	82.1	7.0	82.0	95.1 67	68.7 68	97 67	89.3	4.7	87.5	54 68	71.8	11.6	71.5	AUG 11
AUG 21	10	78.6	7.4	80.0	86.6 70	67.1 65	96 69	88.8	6.9	91.5	55 64	66.6	8.6	67.0	AUG 21
SEP 1	10	75.5	8.0	74.5	87.3 63	65.6 64	95 67	84.8	7.6	86.5	50 71	62.4	9.8	61.0	SEP 1
SEP 11	10	67.9	6.8	67.5	78.5 67	56.8 65	87 63	78.6	7.1	79.0	45 65	55.9	7.0	56.0	SEP 11
SEP 21	7	71.1	9.2	66.0	83.5 67	60.3 71	90 63	82.0	6.8	80.0	47 68	59.7	10.6	55.0	SEP 21
MONTH															MONTH
JUN	8	71.2	2.6	71.0	75.6 70	67.4 71	91 70	87.3	2.1	87.0	48 66	51.9	2.6	51.5	JUN
JUL	9	81.5	2.2	82.0	84.5 67	77.1 72	100 67	92.9	3.6	93.0	54 66	62.9	5.5	64.0	JUL
AUG	10	81.8	5.2	82.5	88.7 67	72.9 64	97 67	93.8	3.5	95.0	54 68	64.1	7.2	67.0	AUG
SEP	7	72.6	7.6	72.0	82.7 67	64.5 70	95 67	87.4	6.6	88.0	45 65	53.6	4.8	52.0	SEP

MINIMUM DAILY TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100412 MAGEE RS 1963-1972

10-DAY AND MONTHLY PERIOD MEANS | 10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
JUN 1	8	41.4	2.6	41.0	45.0 64	36.0 65	56 72	49.3	4.8	49.5	30 68	33.8	2.8	33.5	JUN 1
JUN 11	9	41.3	3.3	41.0	44.9 65	35.3 69	52 67	48.3	2.7	48.0	28 69	34.3	3.6	34.0	JUN 11
JUN 21	9	41.6	1.9	41.0	45.2 70	39.5 64	57 70	50.3	3.8	49.0	30 68	34.0	2.2	34.0	JUN 21
JUL 1	9	41.3	3.3	42.0	45.2 64	35.0 67	54 72	49.0	3.8	49.0	30 72	35.6	3.2	37.0	JUL 1
JUL 11	10	41.6	4.0	41.0	48.0 70	35.5 69	56 72	51.7	4.4	53.0	29 69	35.0	4.6	34.0	JUL 11
JUL 21	10	40.3	4.7	38.5	46.8 65	35.0 63	60 64	48.5	6.5	47.0	29 69	34.1	4.4	33.5	JUL 21
AUG 1	10	40.5	6.0	40.0	49.0 65	32.5 69	60 65	48.1	7.1	49.0	28 67	34.2	5.3	33.0	AUG 1
AUG 11	10	39.6	5.3	39.5	46.8 64	32.4 67	59 65	48.8	8.2	50.5	26 68	32.1	4.8	31.5	AUG 11
AUG 21	10	39.7	5.2	41.0	45.9 65	32.5 67	55 66	49.8	4.4	49.5	23 67	31.2	5.1	30.5	AUG 21
SEP 1	10	39.0	2.7	38.5	42.8 71	35.2 69	56 67	47.7	4.4	46.5	28 69	31.5	3.0	31.0	SEP 1
SEP 11	10	35.5	3.9	36.5	40.3 66	28.0 70	53 63	45.2	3.1	44.5	16 70	26.0	6.0	29.5	SEP 11
SEP 21	7	35.7	5.0	33.0	43.4 69	30.3 70	50 66	45.0	3.8	46.0	20 70	26.9	6.1	26.0	SEP 21
MONTH															MONTH
JUN	8	41.3	1.2	40.5	43.0 64	40.1 68	57 70	52.8	3.0	52.0	28 69	31.9	2.2	33.0	JUN
JUL	9	41.4	3.2	41.0	45.8 70	37.6 67	60 64	54.3	3.0	54.0	29 69	32.6	2.6	33.0	JUL
AUG	10	39.9	4.7	39.5	46.4 65	32.7 67	60 65	53.5	4.2	54.0	23 67	29.4	4.1	29.5	AUG
SEP	7	36.9	2.4	37.0	39.8 64	33.5 70	56 67	50.3	3.6	50.0	16 70	23.3	5.2	24.0	SEP

Table 10--Frequency distribution of daily maximum and minimum temperatures for indicated years of record. Based on 24-hour periods noted for table 9

MAXIMUM DAILY TEMPERATURE

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION DECEPTION CREEK HQ 1936-1945

TEMPERATURE VALUES

PRD. BEGINS	BELOW 0	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100 AND ABOVE	PRD. BEGINS
MAY 1											68	182	136	170	239	102	68	34					MAY 1
MAY 11											67	144	167	244	144	100	89	22	22				MAY 11
MAY 21										9		45	100	136	236	136	209	91	27	9			MAY 21
JUN 1											20	20	100	170	330	200	90	60	10				JUN 1
JUN 11												20	110	210	180	220	120	70	40	30			JUN 11
JUN 21													40	111	61	192	162	242	141	40	10		JUN 21
JUL 1														20	50	130	240	280	190	90			JUL 1
JUL 11														10	60	120	140	230	220	170	50		JUL 11
JUL 21														18		82	173	236	345	91	55		JUL 21
AUG 1													10		60	110	250	190	310	70			AUG 1
AUG 11														30	40	70	290	340	170	60			AUG 11
AUG 21												9	9	36	173	145	182	245	155	45			AUG 21
SEP 1												20	82	112	163	133	194	133	133	31			SEP 1
SEP 11										11	11	111	156	67	156	100	144	111	111	22			SEP 11
SEP 21												33	89	133	233	244	156	78	33				SEP 21
OCT 1										11	100	211	200	189	122	89	56	22					OCT 1
OCT 11										33	89	311	256	189	111	11							OCT 11
OCT 21									71	172	202	263	202	91									OCT 21
MONTH																							MONTH
MAY										3	42	118	132	181	208	115	128	52	17	3			MAY
JUN											7	13	84	164	191	204	124	124	64	23	3		JUN
JUL														16	35	110	184	248	255	116	35		JUL
AUG												3	6	23	94	110	239	258	210	58			AUG
SEP										4	4	54	108	104	183	158	165	108	94	18			SEP
OCT									25	75	133	262	219	154	75	32	18	7					OCT

MINIMUM DAILY TEMPERATURE

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION DECEPTION CREEK HQ 1936-1945

TEMPERATURE VALUES

PRD. BEGINS	BELOW 0	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100 AND ABOVE	PRD. BEGINS
MAY 1						80	307	330	227	45		11											MAY 1
MAY 11						33	178	289	289	167	33	11											MAY 11
MAY 21							118	127	327	236	136	55											MAY 21
JUN 1							60	120	280	360	170	10											JUN 1
JUN 11								90	200	420	250	40											JUN 11
JUN 21							10	71	202	303	303	101	10										JUN 21
JUL 1								30	200	370	240	150	10										JUL 1
JUL 11								50	170	220	370	170	20										JUL 11
JUL 21								18	136	400	318	82	45										JUL 21
AUG 1							10	110	330	300	170	70	10										AUG 1
AUG 11							20	130	340	250	140	110	10										AUG 11
AUG 21							27	109	409	282	155	18											AUG 21
SEP 1							41	133	245	306	194	82											SEP 1
SEP 11						11	89	222	256	211	189	22											SEP 11
SEP 21						22	156	344	178	167	111	22											SEP 21
OCT 1							122	300	289	211	78												OCT 1
OCT 11						78	111	378	200	211	11	11											OCT 11
OCT 21					30	111	212	293	232	111	10												OCT 21
MONTH																							MONTH
MAY						35	194	240	285	156	63	28											MAY
JUN							23	94	227	361	241	50	3										JUN
JUL								32	168	332	310	132	26										JUL
AUG							19	116	361	277	155	65	6										AUG
SEP						11	94	230	227	230	165	43											SEP
OCT					11	65	151	323	240	176	32	4											OCT

(con.)

Table 10 (Con.)

MAXIMUM DAILY TEMPERATURE

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 101956 COUER D'ALENE 1931-1980

TEMPERATURE VALUES

PRD. BEGINS	BELOW 0	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100 AND ABOVE	PRD. BEGINS
JAN 1				14	53	70	86	240	279	186	55	10	6										JAN 1
JAN 11		2	16	14	31	74	76	179	308	185	101	14											JAN 11
JAN 21		4	6	20	61	65	89	181	253	201	97	20	2										JAN 21
FEB 1	2	4	4	10	14	26	56	130	274	292	140	44	4										FEB 1
FEB 11			4	12	12	6	26	76	252	358	156	72	26										FEB 11
FEB 21						10	17	46	182	344	225	121	51	5									FEB 21
MAR 1						4	12	50	185	293	219	143	68	14	12								MAR 1
MAR 11							4	10	58	282	296	164	104	46	32	4							MAR 11
MAR 21								22	46	153	241	210	150	108	51	20							MAR 21
APR 1							2	2	16	59	170	244	192	162	83	61	6	4					APR 1
APR 11									4	32	112	216	184	150	130	106	44	20					APR 11
APR 21									2	14	74	138	213	190	153	97	74	21	17	6			APR 21
MAY 1											29	100	157	176	172	166	108	67	18	6			MAY 1
MAY 11										2	10	51	106	167	196	153	182	76	43	14			MAY 11
MAY 21												33	82	134	187	176	165	121	74	24	4		MAY 21
JUN 1											2	8	44	107	139	207	211	149	95	36	2		JUN 1
JUN 11												2	30	91	157	171	219	167	89	62	12		JUN 11
JUN 21												2	18	64	108	184	188	198	136	74	20	6	JUN 21
JUL 1													2	18	48	112	158	218	234	142	58	8	JUL 1
JUL 11														2	16	80	122	187	217	199	137	40	JUL 11
JUL 21													2	2	16	31	47	142	263	276	182	38	JUL 21
AUG 1														6	16	38	106	154	222	276	148	34	AUG 1
AUG 11													2	14	26	56	76	197	229	215	137	48	AUG 11
AUG 21													11	35	70	116	149	180	202	134	79	24	AUG 21
SEP 1												4	16	41	98	142	161	197	179	120	39	4	SEP 1
SEP 11											6	10	46	145	139	125	161	179	123	56	10		SEP 11
SEP 21										4	4	41	71	149	182	133	155	141	98	22			SEP 21
OCT 1									2	4	19	91	136	171	153	169	153	79	23				OCT 1
OCT 11									2	10	37	141	214	216	227	114	31	4	2				OCT 11
OCT 21						2	2	4	15	56	156	257	205	182	81	41							OCT 21
NOV 1							4	25	80	150	277	285	140	25	10	4							NOV 1
NOV 11				4	2	6	14	39	148	333	256	152	41	4									NOV 11
NOV 21						8	26	103	263	297	196	81	26										NOV 21
DEC 1				8	8	6	49	196	284	216	163	59	10										DEC 1
DEC 11		2	2		18	38	84	208	280	206	136	26											DEC 11
DEC 21	2	2	4	2	15	31	88	221	300	215	87	31		2									DEC 21
MONTH																							MONTH
JAN		2	7	17	49	69	84	199	279	191	85	15	3										JAN
FEB	1	1	3	8	9	14	34	86	239	331	171	76	25	1									FEB
MAR						1	5	27	94	240	252	173	109	58	32	8							MAR
APR							1	1	7	35	119	200	196	167	122	88	41	15	5	2			APR
MAY										1	13	61	114	158	185	165	152	89	46	15	1		MAY
JUN											1	4	31	87	135	188	206	171	106	58	11	2	JUN
JUL													1	7	27	73	107	181	239	208	128	29	JUL
AUG													5	19	38	71	112	177	217	206	120	35	AUG
SEP										1	3	18	45	112	139	133	159	172	133	66	16	1	SEP
OCT						1	1	1	7	25	73	166	186	190	151	106	59	27	8				OCT
NOV				1	1	5	15	56	164	261	243	172	69	9	3	1							NOV
DEC	1	1	2	3	14	25	74	209	288	213	127	38	3	1									DEC

(con.)

Table 10 (Con.)

MINIMUM DAILY TEMPERATURE

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 101956 COUER D'ALENE 1931-1980

TEMPERATURE VALUES

PRD. BEGINS	BELOW 0	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100 AND ABOVE	PRD. BEGINS
JAN 1	76	43	47	84	74	133	237	256	49	2													JAN 1
JAN 11	72	39	49	76	91	111	239	253	60	8	2												JAN 11
JAN 21	90	41	86	65	119	116	200	229	47	4	4												JAN 21
FEB 1	58	32	40	52	90	170	254	240	60	4													FEB 1
FEB 11	34	24	22	58	108	152	252	292	54	4													FEB 11
FEB 21	7	19	19	51	87	184	230	334	61	7													FEB 21
MAR 1	16	8	20	46	102	191	261	257	90	6													MAR 1
MAR 11	4	2	18	20	56	116	332	328	108	16													MAR 11
MAR 21			5	15	40	78	303	354	172	31	2												MAR 21
APR 1			2	4	12	73	240	361	212	85	12												APR 1
APR 11					2	34	176	353	275	136	24												APR 11
APR 21					2	8	102	266	339	197	77	8											APR 21
MAY 1						4	47	178	325	286	133	27											MAY 1
MAY 11							20	120	278	324	176	65	16										MAY 11
MAY 21						2	4	61	189	328	256	108	46	6									MAY 21
JUN 1							2	12	102	280	302	218	70	12	2								JUN 1
JUN 11							2	8	56	205	324	294	89	18	4								JUN 11
JUN 21								2	34	152	335	297	136	42	2								JUN 21
JUL 1									24	129	271	303	217	54	2								JUL 1
JUL 11									6	64	187	368	272	82	18	2							JUL 11
JUL 21									11	35	184	349	288	108	26								JUL 21
AUG 1									12	86	182	384	232	90	12	2							AUG 1
AUG 11								4	18	84	255	357	213	54	14								AUG 11
AUG 21									26	147	290	347	165	22	2								AUG 21
SEP 1								16	87	233	290	270	83	20									SEP 1
SEP 11						2	10	56	145	245	334	155	52										SEP 11
SEP 21						2	22	145	198	290	224	100	16	2									SEP 21
OCT 1						4	38	180	271	319	146	38	4										OCT 1
OCT 11					2	19	100	201	282	236	140	17	2										OCT 11
OCT 21		2		2	4	23	158	250	278	211	64	9											OCT 21
NOV 1		6	4	8	27	78	201	316	234	96	31												NOV 1
NOV 11	10	4	4	18	53	98	185	341	217	67	2												NOV 11
NOV 21		14	6	16	81	137	255	297	149	42	2												NOV 21
DEC 1	4	16	18	18	73	129	251	353	110	22	4												DEC 1
DEC 11	18	14	36	58	88	142	232	293	104	14													DEC 11
DEC 21	15	18	27	62	104	151	270	250	78	18	5												DEC 21
MONTH																							MONTH
JAN	79	41	62	75	95	120	224	246	52	5	2												JAN
FEB	35	25	28	54	96	168	246	286	58	5													FEB
MAR	6	3	14	27	65	127	299	314	125	18	1												MAR
APR			1	1	5	38	173	327	275	139	38	3											APR
MAY						2	23	118	262	314	190	68	22	2									MAY
JUN							1	7	64	213	320	269	98	24	3								JUN
JUL									14	75	213	340	260	82	16	1							JUL
AUG								1	19	107	244	363	202	54	9	1							AUG
SEP						1	11	72	143	256	283	175	51	7									SEP
OCT		1		1	2	16	101	212	277	254	115	21	2										OCT
NOV	3	8	5	14	54	104	214	318	200	68	12												NOV
DEC	12	16	27	47	89	141	252	297	97	18	3												DEC

(con.)

Table 10 (Con.)

MAXIMUM DAILY TEMPERATURE

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100304 FERNAN RS 1951-1970

TEMPERATURE VALUES

PRD. BEGINS	BELOW 0	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100 AND ABOVE	PRD. BEGINS
MAY 1											14	136	193	171	121	150	107	64	36	7			MAY 1
MAY 11										6	6	44	81	156	206	119	256	81	38	6			MAY 11
MAY 21												37	80	86	225	160	176	144	59	32			MAY 21
JUN 1											5		42	95	126	216	200	174	84	53	5		JUN 1
JUN 11													21	111	126	158	221	189	105	68			JUN 11
JUN 21													10	60	120	205	205	215	90	70	25		JUN 21
JUL 1													5	10	55	105	160	180	230	155	100		JUL 1
JUL 11															5	45	95	170	265	215	170	35	JUL 11
JUL 21															18	32	50	141	227	305	205	23	JUL 21
AUG 1														5	15	30	95	170	205	300	150	30	AUG 1
AUG 11														20	25	35	70	195	225	230	145	55	AUG 11
AUG 21													18	41	95	127	186	159	159	73	100	41	AUG 21
SEP 1													10	20	65	175	155	225	170	140	35	5	SEP 1
SEP 11												5	35	126	156	111	141	201	171	45	10		SEP 11
SEP 21											5	25	70	156	211	116	176	95	116	30			SEP 21
OCT 1										6	28	89	162	123	140	184	179	89					OCT 1
OCT 11											38	191	261	185	204	76	45						OCT 11
OCT 21								7	7	64	121	200	186	221	93	100							OCT 21
MONTH																							MONTH
MAY										2	6	68	113	133	189	144	183	101	45	16			MAY
JUN											2		24	88	124	193	209	193	93	64	10		JUN
JUL													2	3	26	60	100	163	240	227	160	19	JUL
AUG													6	23	47	66	119	174	195	197	131	42	AUG
SEP											2	10	38	100	144	134	157	174	152	72	15	2	SEP
OCT								2	2	21	59	155	202	172	147	124	82	34					OCT

MINIMUM DAILY TEMPERATURE

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100304 FERNAN RS 1951-1970

TEMPERATURE VALUES

PRD. BEGINS	BELOW 0	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100 AND ABOVE	PRD. BEGINS
MAY 1						14	29	193	343	264	143	14											MAY 1
MAY 11							6	125	263	331	200	69	6										MAY 11
MAY 21							5	53	155	337	289	118	32	11									MAY 21
JUN 1							5	5	100	268	247	295	68	5	5								JUN 1
JUN 11								11	47	232	311	316	63	11	11								JUN 11
JUN 21								5	25	165	390	285	90	40									JUN 21
JUL 1									20	145	300	330	140	65									JUL 1
JUL 11										50	160	395	280	105	10								JUL 11
JUL 21									14	41	182	359	273	114	18								JUL 21
AUG 1									5	85	165	405	230	105		5							AUG 1
AUG 11										55	285	375	195	65	25								AUG 11
AUG 21									14	141	282	355	177	27	5								AUG 21
SEP 1								15	115	220	285	280	60	25									SEP 1
SEP 11							20	40	106	256	362	156	60										SEP 11
SEP 21							15	111	176	291	266	116	15	10									SEP 21
OCT 1							17	190	274	318	151	39	11										OCT 1
OCT 11							108	236	217	293	140	6											OCT 11
OCT 21						14	107	286	321	193	71	7											OCT 21
MONTH																							MONTH
MAY						4	12	117	244	314	218	72	14	4									MAY
JUN							2	7	57	221	317	298	74	19	5								JUN
JUL									11	77	213	361	232	95	10								JUL
AUG									6	95	245	377	200	65	10	2							AUG
SEP							12	55	132	256	304	184	45	12									SEP
OCT						4	74	233	269	273	124	19	4										OCT

(con.)

Table 10 (Con.)

MAXIMUM DAILY TEMPERATURE

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100409 KINGSTON RS 1951-1970

TEMPERATURE VALUES

PRD. BEGINS	BELOW 0	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100 AND ABOVE	PRD. BEGINS
MAY 1										24	37	183	220	122	110	134	98	24	24	24			MAY 1
MAY 11										11		88	22	198	198	165	253	55	11				MAY 11
MAY 21												16	71	142	150	165	213	197	47				MAY 21
JUN 1											5		35	80	186	191	241	136	101	25			JUN 1
JUN 11												10	35	105	125	175	200	185	110	45	10		JUN 11
JUN 21												5	15	81	146	217	197	172	96	61	10		JUN 21
JUL 1													10	15	60	150	140	250	185	145	45		JUL 1
JUL 11														5	10	55	140	190	260	190	130	20	JUL 11
JUL 21															18	45	73	168	318	295	73	9	JUL 21
AUG 1														10	10	25	150	190	270	270	55	20	AUG 1
AUG 11													5	25	35	25	115	190	290	170	135	10	AUG 11
AUG 21													32	41	114	127	191	177	145	82	86	5	AUG 21
SEP 1													15	50	100	155	175	195	170	135	5		SEP 1
SEP 11											5	10	66	141	121	141	152	192	141	20	10		SEP 11
SEP 21											10	45	71	141	197	136	146	81	131	40			SEP 21
OCT 1											84	74	147	137	126	105	211	95	21				OCT 1
OCT 11											33	217	267	200	100	83	100						OCT 11
OCT 21										49	131	295	164	148	148	66							OCT 21
MONTH																							MONTH
MAY										10	10	83	97	153	153	157	193	107	30	7			MAY
JUN											2	5	28	89	152	194	213	164	102	44	7		JUN
JUL													3	6	29	82	116	202	256	213	82	10	JUL
AUG													13	26	55	61	153	185	232	171	92	11	AUG
SEP											5	18	50	111	139	144	158	156	148	65	5		SEP
OCT										14	83	176	185	157	125	88	120	42	9				OCT

MINIMUM DAILY TEMPERATURE

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100409 KINGSTON RS 1951-1970

TEMPERATURE VALUES

PRD. BEGINS	BELOW 0	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100 AND ABOVE	PRD. BEGINS
MAY 1							134	244	415	159	49												MAY 1
MAY 11							44	231	451	165	77	33											MAY 11
MAY 21							55	118	244	370	134	79											MAY 21
JUN 1							5	43	199	280	258	183	27	5									JUN 1
JUN 11								42	201	238	344	153	21										JUN 11
JUN 21							16	37	171	283	305	134	43	11									JUN 21
JUL 1								21	116	349	265	185	58	5									JUL 1
JUL 11								10	61	255	357	219	87	10									JUL 11
JUL 21								9	113	349	302	165	33	24		5							JUL 21
AUG 1								5	94	354	339	135	52	21									AUG 1
AUG 11								5	137	384	284	132	53	5									AUG 11
AUG 21								52	160	258	357	131	38	5									AUG 21
SEP 1							20	90	246	317	221	75	25	5									SEP 1
SEP 11						15	52	88	289	268	232	46	10										SEP 11
SEP 21						15	86	157	212	283	207	35		5									SEP 21
OCT 1						43	96	170	404	170	85	32											OCT 1
OCT 11						150	133	183	317	183	17	17											OCT 11
OCT 21						67	167	267	233	250		17											OCT 21
MONTH																							MONTH
MAY							73	187	353	250	93	43											MAY
JUN							7	41	190	267	302	157	30	5									JUN
JUL								13	97	318	308	189	59	13		2							JUL
AUG								22	131	329	328	133	47	10									AUG
SEP						10	52	112	249	289	220	52	12	3									SEP
OCT						79	126	201	332	196	42	23											OCT

Table 11--Afternoon dry bulb temperature (degrees Fahrenheit) and relative humidity (percent) statistics for fire season; data observed mostly near 1500 P.s.t. (1630 at Deception Creek), for indicated years of record. Daily minimum relative humidity is included for Deception Creek. Separate summary of Fernan Ranger Station 1974-84 data, at present 1200 observation time, is included for comparison (see text). Letter "M" in table denotes occurrence of missing data (see table 9 caption)

ORY BULB TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION		DECEPTION CREEK HQ 10-DAY AND MONTHLY PERIOD MEANS						1936-1945 10-DAY AND MONTHLY EXTREME DAILY VALUES						
PRO. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR		HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRO. BEGINS
MAY 1	9	52.5	5.8	52.0	62.0 40	45.3 43		76 40	63.6	9.4	61.0	35 43	42.8	4.7	43.0	MAY 1
MAY 11	9	55.8	5.7	53.0	65.2 44	48.9 45		76 41	66.3	7.2	67.0	35 36	45.7	7.4	45.0	MAY 11
MAY 21	10	63.6	4.2	62.0	70.2 40	59.1 44		82 44	76.0	4.4	76.0	39 44	50.5	5.6	51.0	MAY 21
JUN 1	10	61.5	3.7	60.5	68.8 38	55.5 39		80 40	74.4	3.9	73.0	43 36	47.7	2.7	48.0	JUN 1
JUN 11	10	64.0	6.5	62.5	79.2 40	57.2 43		90 40	75.4	7.3	72.5	45 45	51.7	7.6	50.0	JUN 11
JUN 21	10	71.1	4.8	69.0	77.2 40	65.0 43		89 39	83.6	3.1	83.5	50 45	57.9	7.7	54.0	JUN 21
JUL 1	10	75.4	4.6	75.5	81.5 42	69.1 38		90 41	84.9	3.3	84.5	53 38	66.1	8.4	66.5	JUL 1
JUL 11	10	77.2	5.5	77.0	84.4 38	69.0 42		92 40	86.8	3.2	86.5	57 43	65.0	6.0	65.0	JUL 11
JUL 21	10	78.3	3.8	78.5	82.8 39	70.9 40		92 38	86.3	3.1	86.0	55 40	66.8	7.8	66.5	JUL 21
AUG 1	10	75.3	4.6	76.0	81.0 42	65.0 37		86 45	82.3	4.3	83.5	53 37	65.0	5.9	66.0	AUG 1
AUG 11	10	73.3	5.5	74.0	81.1 40	65.2 38		88 40	80.1	4.8	80.5	50 38	63.7	7.8	64.5	AUG 11
AUG 21	10	68.4	5.1	67.0	76.0 40	60.3 37		88 40	78.8	6.1	78.5	52 43	56.3	4.3	54.0	AUG 21
SEP 1	10	63.7	4.3	63.0	68.9 40	55.0 41		83 38	72.6	7.3	74.5	49 41	53.8	3.3	53.5	SEP 1
SEP 11	9	58.3	6.0	57.0	66.6 38	49.5 41		76 43	67.1	6.5	67.0	41 36	49.0	6.4	47.0	SEP 11
SEP 21	9	56.2	4.6	55.0	62.4 38	48.9 37		70 38	63.3	5.3	64.0	43 37	49.7	5.1	48.0	SEP 21
OCT 1	9	50.1	4.7	49.0	60.3 43	45.0 41		66 43	56.1	6.4	54.0	38 41	44.1	4.6	44.0	OCT 1
OCT 11	9	46.8	4.2	46.0	54.1 40	41.1 43		61 40	52.2	4.5	52.0	33 43	40.8	5.8	43.0	OCT 11
OCT 21	9	41.7	4.2	42.0	48.4 37	36.8 43		55 39	48.2	5.1	48.0	31 41	35.8	4.6	35.0	OCT 21
MONTH																MONTH
MAY	9	57.5	3.8	56.0	65.2 40	53.1 43		82 44	75.9	4.7	76.0	35 43	40.0	3.8	39.0	MAY
JUN	10	65.5	4.0	64.5	73.3 40	60.8 43		90 40	84.0	3.7	83.5	43 36	47.0	2.8	47.0	JUN
JUL	10	77.0	1.7	76.5	79.2 41	74.8 44		92 40	88.9	2.5	89.5	53 38	58.6	4.1	58.0	JUL
AUG	10	72.2	4.2	71.0	78.4 40	64.1 37		88 40	83.0	4.4	83.5	50 38	55.2	4.4	54.0	AUG
SEP	9	59.4	4.2	59.0	64.7 38	51.9 41		83 38	73.0	7.3	76.0	41 36	45.8	2.9	46.0	SEP
OCT	9	46.2	1.8	45.0	49.2 40	44.5 39		66 43	57.9	5.4	57.0	31 41	35.3	4.4	34.0	OCT

RELATIVE HUMIDITY

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION		DECEPTION CREEK HQ 10-DAY AND MONTHLY PERIOD MEANS						1936-1945 10-DAY AND MONTHLY EXTREME DAILY VALUES						
PRO. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR		HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRO. BEGINS
MAY 1	9	64.3	11.7	67.0	80.1 36 M	44.4 44		100 43	89.4	14.9	93.0	28 44	42.1	14.2	36.0	MAY 1
MAY 11	9	62.7	15.1	69.0	81.9 45	43.2 44		100 43	87.1	14.5	91.0	29 44	42.6	11.3	46.0	MAY 11
MAY 21	10	53.2	9.7	51.5	69.7 42	38.9 40		100 42	84.7	11.3	85.0	22 44	30.2	8.2	29.5	MAY 21
JUN 1	10	57.8	10.4	56.5	69.4 45	37.9 38		100 41	89.7	6.4	93.0	24 38	32.6	7.6	30.5	JUN 1
JUN 11	10	57.9	12.1	59.0	71.3 39	30.3 40		100 42	85.0	16.8	88.5	22 45	33.0	7.0	32.0	JUN 11
JUN 21	10	47.2	10.7	47.0	60.2 44	29.0 40		100 42	76.1	23.6	87.5	22 40	28.5	4.1	28.5	JUN 21
JUL 1	10	43.3	8.0	42.5	55.9 38	32.2 45		100 39	69.8	16.8	67.0	21 45	27.4	3.4	27.5	JUL 1
JUL 11	10	43.3	7.3	41.5	54.8 42	34.7 40		94 37	71.8	16.0	70.0	21 45	28.3	4.6	27.5	JUL 11
JUL 21	10	41.6	8.6	43.0	52.5 40	29.9 45		100 41	68.4	22.4	63.0	21 45	28.2	5.8	29.0	JUL 21
AUG 1	10	42.4	11.3	40.0	68.6 37	29.9 38		88 37	65.1	16.4	67.0	16 45	26.9	10.9	24.0	AUG 1
AUG 11	10	46.9	10.1	48.0	58.8 44	31.8 40		94 44	69.9	19.0	72.0	21 45	28.4	6.3	27.0	AUG 11
AUG 21	10	55.4	11.2	56.5	73.2 41	38.8 40		100 41	79.6	14.9	82.0	19 45	36.0	12.6	32.0	AUG 21
SEP 1	10	66.2	8.8	61.5	81.9 37	57.1 39		100 41	90.8	8.3	94.0	25 45	38.1	12.4	34.5	SEP 1
SEP 11	9	74.0	11.5	76.0	88.8 41	54.9 43		100 41	91.2	9.8	93.0	31 44	55.7	15.1	59.0	SEP 11
SEP 21	9	75.7	9.2	76.0	86.7 44	63.6 38		100 41	88.0	9.0	87.0	45 43	59.9	12.2	55.0	SEP 21
OCT 1	7	86.6	8.4	88.0	94.5 40	70.3 43		100 40	95.3	3.3	94.0	50 42	75.6	14.1	81.0	OCT 1
OCT 11	8	91.8	1.5	91.0	94.1 37	90.0 38		100 43	98.3	3.2	100.0	76 39	83.8	5.6	85.5	OCT 11
OCT 21	8	93.8	3.9	94.5	98.5 40	86.7 36 M		100 43	98.3	3.2	100.0	67 36	86.3	9.2	90.5	OCT 21
MONTH																MONTH
MAY	9	59.9	8.6	63.0	71.3 42	46.3 40 M		100 43	95.9	3.9	93.0	22 44	30.7	7.5	30.0	MAY
JUN	10	54.4	7.7	55.5	62.2 41	37.6 40		100 42	94.0	4.9	93.0	22 45	26.3	3.4	26.0	JUN
JUL	10	42.7	4.5	43.5	48.1 37	32.9 45		100 41	88.9	11.4	91.5	21 45	25.1	2.8	26.0	JUL
AUG	10	48.5	9.6	48.5	65.6 37	34.1 40		100 41	84.4	13.8	88.5	16 45	24.5	7.3	24.0	AUG
SEP	9	72.1	8.5	72.0	84.0 41	59.1 43		100 41	94.7	4.6	94.0	25 45	37.8	12.2	34.0	SEP
OCT	8	91.1	3.6	91.0	95.7 40	86.2 43		100 43	98.4	3.0	100.0	50 42	73.0	12.0	76.5	OCT

(con.)

Table 11 (Con.)

MINIMUM RELATIVE HUMIDITY

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION — DECEPTION CREEK HQ — 1936-1945

10-DAY AND MONTHLY PERIOD MEANS

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG. YR	LOWEST AVG. YR
MAY 1	7	39.9	11.0	39.0	55.5 42	22.6 45
MAY 11	8	44.7	12.0	40.0	66.9 41	32.6 40
MAY 21	9	42.6	9.8	38.0	59.6 42	31.4 40
JUN 1	10	46.3	8.4	45.0	59.0 41	34.6 44
JUN 11	10	45.3	12.4	48.0	60.8 43	25.7 40
JUN 21	10	36.7	7.7	36.0	48.9 41	25.4 40
JUL 1	10	32.2	7.1	32.0	40.9 39 M	16.8 45
JUL 11	10	30.7	7.0	28.5	45.2 42	22.8 45
JUL 21	10	31.2	8.3	28.5	49.1 40	20.5 36
AUG 1	10	31.9	7.4	28.5	44.0 37	24.5 39
AUG 11	10	31.3	6.8	28.5	44.6 38	23.9 40
AUG 21	10	35.9	8.4	32.0	50.6 41	26.1 38
SEP 1	10	45.5	12.6	41.0	72.9 41	26.7 44
SEP 11	9	47.8	16.6	44.0	80.6 41	28.9 38
SEP 21	9	43.8	10.1	42.0	65.6 40	30.6 36
OCT 1	7	62.4	16.0	58.0	80.6 38	41.9 36
OCT 11	8	69.2	9.1	72.0	75.3 40	47.6 36
OCT 21	8	76.9	13.1	80.0	91.3 40	50.4 36 M
MONTH						
MAY	7	43.8	9.3	42.0	57.4 42	32.6 37
JUN	10	42.8	7.1	41.5	52.5 41	32.3 40
JUL	10	31.3	4.6	32.0	37.1 42	22.3 45
AUG	10	33.1	6.0	31.0	44.7 41	26.2 39
SEP	9	45.9	10.8	41.0	67.8 41	37.6 43
OCT	8	70.3	11.4	73.0	82.3 40	46.6 36 M

10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	HIGH, YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW, YR	AVG. LOW	STD. DEV.	MEDIAN LOW
MAY 1	99 42	65.0	20.7	60.0	14 45	22.1	4.7	23.0
MAY 11	99 41	68.4	16.8	66.0	16 39	26.3	8.2	24.0
MAY 21	99 42	75.2	14.9	75.0	13 45	21.9	6.2	21.0
JUN 1	99 41	79.8	12.1	80.5	12 44	25.5	7.0	25.0
JUN 11	93 37	70.5	19.8	76.0	16 45	26.9	8.1	26.0
JUN 21	99 42	64.8	23.5	66.5	10 36	21.3	5.6	23.0
JUL 1	68 39	45.7	14.0	44.0	11 45	21.8	4.3	22.5
JUL 11	75 37	45.4	13.6	41.5	10 45	19.9	5.2	20.5
JUL 21	99 40	51.6	21.1	45.5	13 36	19.5	4.1	19.0
AUG 1	84 37	51.9	17.8	45.5	15 45	18.1	3.2	18.0
AUG 11	88 38	49.4	18.3	44.5	14 45	20.8	4.5	20.0
AUG 21	83 43	62.7	14.0	64.0	10 36	20.4	7.4	19.0
SEP 1	99 41	80.9	11.7	82.0	15 44	24.5	9.4	22.0
SEP 11	99 41	75.1	17.9	77.0	17 44	29.9	14.8	26.0
SEP 21	99 40	64.3	17.7	60.0	21 36	31.7	6.8	30.0
OCT 1	100 37	88.9	9.8	91.0	26 43	38.9	13.8	34.0
OCT 11	100 37	85.3	10.9	86.5	28 36	45.6	10.8	47.0
OCT 21	100 38	92.0	11.1	97.0	36 36	55.5	14.6	55.0
MONTH								
MAY	99 42	82.1	13.7	80.0	13 45	18.7	3.4	20.0
JUN	99 42	84.3	11.2	85.0	10 36	20.2	5.8	21.0
JUL	99 40	63.6	16.9	61.0	10 45	17.7	4.1	18.0
AUG	88 38	70.2	13.8	72.5	10 36	17.1	4.3	17.0
SEP	99 41	83.6	10.6	80.0	15 44	23.2	6.8	22.0
OCT	100 38	94.6	6.8	97.0	26 43	37.4	11.8	33.0

(con.)

Table 11 (Con.)

ORY HULB TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100304 FERNAN RS — 1951-1970

10-DAY AND MONTHLY PERIOD MEANS | 10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR		HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
MAY 1	14	61.0	6.0	60.0	74.6 66	53.2 63		89 66	74.7	7.7	74.0	42 64	47.4	4.2	46.5	MAY 1
MAY 11	16	64.8	5.1	65.0	71.3 54	53.9 60		89 54	78.8	5.8	77.0	39 55	50.1	6.4	50.5	MAY 11
MAY 21	17	67.1	6.8	66.0	81.8 58	57.9 55		93 58	80.2	6.8	82.0	40 64	52.1	6.4	51.0	MAY 21
JUN 1	19	69.6	6.3	68.0	80.5 69	60.3 54		93 70	81.7	5.8	82.0	45 66	55.6	8.2	54.0	JUN 1
JUN 11	19	71.6	5.8	70.0	81.4 63	63.9 54		91 69	83.9	5.6	83.0	49 60	57.9	6.7	56.0	JUN 11
JUN 21	20	72.4	5.3	71.5	81.0 61	61.9 69		96 58	84.3	5.9	84.0	50 55	59.3	5.4	59.5	JUN 21
JUL 1	20	79.1	6.0	78.5	91.5 68	65.9 55		98 68	91.3	4.0	90.5	52 55	63.9	8.4	63.0	JUL 1
JUL 11	20	84.0	5.0	83.0	94.9 60	75.4 57		101 67	94.2	4.3	94.5	64 63	73.1	6.6	71.5	JUL 11
JUL 21	20	85.3	5.0	86.5	92.1 62	76.1 70		104 59	93.9	4.6	94.0	56 65	73.3	9.7	74.0	JUL 21
AUG 1	20	83.7	5.7	84.0	91.9 61	72.4 57		107 61	93.5	5.9	94.5	59 64	71.7	7.8	73.0	AUG 1
AUG 11	20	83.1	7.2	82.5	99.4 67	67.7 68		102 67	93.1	4.9	93.5	53 64	72.3	10.6	73.0	AUG 11
AUG 21	20	76.5	7.5	75.0	89.3 70	62.0 60		102 67	90.4	8.2	89.0	52 60	63.1	8.7	62.0	AUG 21
SEP 1	20	76.1	6.7	75.0	89.3 55	66.1 64		96 58	86.1	6.3	86.0	51 64	63.4	9.0	63.0	SEP 1
SEP 11	20	70.3	6.5	71.5	78.9 56	57.7 65		91 59	83.1	6.7	85.5	44 57	54.8	6.3	55.0	SEP 11
SEP 21	20	67.8	7.4	65.0	80.8 67	55.9 59		93 67	78.6	8.4	77.5	43 58	54.1	6.8	53.5	SEP 21
OCT 1	18	62.3	5.8	61.5	74.1 52	52.4 57		84 63	74.5	5.8	74.5	40 58	49.9	7.3	49.5	OCT 1
OCT 11	16	56.8	5.1	56.5	66.9 63	47.7 51		76 61	65.4	6.6	65.0	41 51	47.9	4.6	47.5	OCT 11
OCT 21	13	52.1	6.2	53.0	64.5 65	43.3 51		71 69	63.1	6.0	64.0	27 57	42.7	7.8	41.0	OCT 21
MONTH																MONTH
MAY	16	64.2	3.7	63.5	68.9 69	57.6 55	M	93 58	82.8	4.6	83.0	39 55	45.0	3.7	44.5	MAY
JUN	19	71.0	3.1	70.0	76.2 70	65.2 53		96 58	87.7	4.5	88.0	45 66	51.1	3.5	51.0	JUN
JUL	20	82.9	3.5	83.0	89.9 60	76.1 55		104 59	96.3	3.6	96.0	52 55	61.6	6.5	61.5	JUL
AUG	20	81.0	5.3	80.5	91.7 67	73.3 64		107 61	96.4	4.8	96.5	52 60	61.0	7.1	58.5	AUG
SEP	20	71.4	5.0	71.5	81.1 67	62.9 59		96 58	88.1	5.3	87.5	43 58	50.4	4.6	50.0	SEP
OCT	13	56.8	4.6	55.0	65.1 52	50.1 51	M	84 63	74.1	4.7	74.0	27 57	41.4	6.1	41.0	OCT

RELATIVE HUMIDITY

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100304 FERNAN RS — 1951-1970

10-DAY AND MONTHLY PERIOD MEANS | 10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR		HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
MAY 1	14	49.0	10.5	51.5	65.2 60	33.4 66		93 63	81.9	13.0	86.5	10 70	25.1	9.2	26.0	MAY 1
MAY 11	16	44.2	12.6	41.0	68.9 57	28.0 64		100 68	75.4	19.5	76.0	16 53	24.1	6.7	22.5	MAY 11
MAY 21	17	44.9	9.6	45.0	64.3 54	30.4 63		100 69	85.5	12.3	87.0	15 66	24.6	7.4	23.0	MAY 21
JUN 1	19	47.0	11.8	51.0	69.1 53	24.2 65		100 66	76.2	21.0	86.0	18 70	25.8	6.9	25.0	JUN 1
JUN 11	19	43.7	8.5	44.0	54.8 65	27.6 69		100 65	77.3	16.7	78.0	17 66	25.2	5.4	25.0	JUN 11
JUN 21	20	41.6	12.2	38.5	68.1 69	24.3 61		100 69	66.3	21.1	64.5	15 70	24.1	6.8	23.0	JUN 21
JUL 1	20	35.8	8.9	35.5	53.3 55	18.7 68		94 54	67.3	21.5	72.0	13 68	20.2	5.1	18.5	JUL 1
JUL 11	20	28.8	6.7	26.5	41.1 57	18.7 60		69 55	45.1	13.3	43.5	12 65	17.1	4.3	17.0	JUL 11
JUL 21	20	25.2	8.1	20.5	45.7 55	16.7 66		94 65	45.7	22.8	36.0	10 59	14.6	3.7	14.0	JUL 21
AUG 1	20	28.2	9.1	23.5	47.0 62	19.2 51		84 60	49.1	18.0	44.0	9 67	16.6	5.7	16.0	AUG 1
AUG 11	20	27.8	11.4	24.0	55.3 54	11.1 67		93 64	46.2	25.0	37.0	5 67	15.3	4.7	14.5	AUG 11
AUG 21	20	35.8	13.2	34.0	62.3 54	17.5 70		94 65	64.7	23.2	67.0	8 70	18.3	10.0	16.0	AUG 21
SEP 1	20	33.5	10.0	32.5	52.3 54	20.0 66		93 64	59.2	23.2	58.5	9 69	19.4	7.9	18.0	SEP 1
SEP 11	20	40.3	11.2	37.5	65.0 54	25.4 61		100 69	74.8	22.1	76.0	12 69	22.5	7.3	20.5	SEP 11
SEP 21	20	43.2	10.9	41.5	66.5 59	23.7 67		94 51	77.2	13.6	81.5	11 67	24.6	7.5	23.5	SEP 21
OCT 1	18	50.4	11.9	48.0	70.2 57	26.8 52		100 59	84.8	16.6	93.0	14 58	28.3	10.3	26.5	OCT 1
OCT 11	16	55.1	14.0	53.5	81.2 51	32.8 52		100 51	79.6	15.6	84.5	20 52	37.6	11.9	35.5	OCT 11
OCT 21	13	65.6	8.6	66.0	75.6 57	44.6 65		100 66	87.6	13.8	92.0	38 65	45.9	8.4	42.0	OCT 21
MONTH																MONTH
MAY	16	46.3	8.3	43.0	61.5 60	34.4 66		100 69	92.7	6.2	93.0	10 70	20.1	6.6	18.5	MAY
JUN	19	44.4	5.8	43.0	60.0 53	35.7 62		100 69	91.2	10.5	94.0	15 70	21.2	5.6	20.0	JUN
JUL	20	29.8	6.2	28.0	46.0 55	21.4 60		94 65	74.6	17.8	78.5	10 59	13.9	3.1	13.0	JUL
AUG	20	30.8	9.1	29.5	50.4 54	16.4 67		94 65	72.8	20.4	81.0	5 67	12.8	4.9	12.0	AUG
SEP	20	39.0	7.8	36.0	57.0 54	27.0 67		100 69	90.1	7.9	93.0	9 69	18.1	6.1	17.5	SEP
OCT	13	58.0	10.1	57.0	74.3 51	38.6 52	M	100 66	94.6	6.9	94.0	14 58	29.3	9.5	27.0	OCT

(con.)

Table 11 (Con.)

DRY BULB TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100304 FERNAN RS

1974-1984

10-DAY AND MONTHLY PERIOD MEANS

10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
MAY 1	8	57.5	4.2	56.5	66.3 76	53.1 84	76 76	68.3	4.6	68.5	40 75	44.6	3.8	45.0	MAY 1
MAY 11	8	60.3	5.4	60.0	67.7 76	50.3 74	80 76	72.5	7.0	73.5	43 74	48.6	4.1	48.0	MAY 11
MAY 21	8	64.9	7.3	62.5	82.3 83	59.2 78	94 83	78.1	7.9	76.5	45 75	53.4	9.4	50.5	MAY 21
JUN 1	11	66.4	5.3	65.0	76.0 78	58.0 84	86 78	79.6	5.1	80.0	45 84	53.5	4.6	52.0	JUN 1
JUN 11	11	69.9	8.2	68.0	85.6 74	57.3 81	92 74	80.8	7.8	81.0	51 81	57.6	6.5	56.0	JUN 11
JUN 21	11	71.7	5.0	70.0	78.2 74	63.6 75	88 76	83.4	4.5	86.0	51 75	58.9	5.9	58.0	JUN 21
JUL 1	11	72.9	6.5	71.0	91.0 75	66.4 82	99 75	84.9	5.5	84.0	50 79	60.8	8.9	60.0	JUL 1
JUL 11	11	75.7	4.1	75.0	82.6 79	69.5 83	95 79	87.4	4.2	88.0	48 82	60.5	6.7	61.0	JUL 11
JUL 21	10	83.2	3.0	84.0	86.9 74	78.0 81	97 84	92.1	3.5	92.0	59 75	72.1	6.7	70.5	JUL 21
AUG 1	10	81.5	4.8	80.5	88.2 78	74.6 76	96 81	90.3	4.1	92.0	63 76	71.5	6.6	70.0	AUG 1
AUG 11	11	78.0	7.9	78.0	91.8 77	63.0 78	96 81	88.5	5.3	86.0	53 78	64.6	9.3	63.0	AUG 11
AUG 21	11	74.4	5.7	75.0	82.9 74	65.0 75	91 81	85.0	4.4	86.0	55 80	61.4	5.7	60.0	AUG 21
SEP 1	11	71.6	3.4	71.0	75.7 81	64.6 83	88 82	81.5	4.6	81.0	52 83	59.1	4.8	59.0	SEP 1
SEP 11	11	70.3	6.0	70.0	80.5 81	59.9 78	90 81	79.9	6.7	80.0	47 83	57.5	7.4	58.0	SEP 11
SEP 21	11	65.4	7.4	66.0	74.9 76	53.6 77	81 74	73.3	7.3	76.0	46 84	56.8	7.3	56.0	SEP 21
OCT 1	9	61.7	7.4	59.0	72.2 80	51.9 81	80 80	71.0	7.2	74.0	46 81	54.0	6.8	52.0	OCT 1
OCT 11	9	55.4	4.3	55.0	62.1 78	47.0 84 M	72 79	63.7	5.8	62.0	41 84	47.1	4.6	48.0	OCT 11
OCT 21	6	51.3	3.7	52.0	55.7 83	44.7 75 M	67 83	60.7	6.2	63.0	39 75	43.0	2.7	43.0	OCT 21
MONTH															MONTH
MAY	9	61.0	3.5	59.5	66.8 83	57.5 74	94 83	79.5	6.8	78.5	40 75	43.5	2.4	44.0	MAY
JUN	11	69.3	4.7	66.0	76.2 74	62.9 81	92 74	86.3	3.3	86.0	45 84	51.5	3.3	51.0	JUN
JUL	10	77.8	2.3	77.0	81.5 75	74.8 81	99 75	93.4	3.7	94.0	48 82	57.9	6.1	58.5	JUL
AUG	10	77.8	4.3	78.5	84.4 81	72.2 75	96 81	91.1	4.0	92.0	53 78	58.8	4.4	58.5	AUG
SEP	11	69.2	3.8	68.0	74.1 76	63.4 77	90 81	82.6	5.1	81.0	46 84	52.6	5.4	53.0	SEP
OCT	6	54.8	2.6	53.5	59.1 78	52.5 82	80 80	68.7	4.8	67.5	39 75	42.8	2.4	43.0	OCT

RELATIVE HUMIDITY

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100304 FERNAN RS

1974-1984

10-DAY AND MONTHLY PERIOD MEANS

10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
MAY 1	8	49.6	7.5	49.0	61.1 83	39.1 74	100 83	88.9	13.9	93.5	18 74	26.9	7.6	24.5	MAY 1
MAY 11	8	53.5	13.3	55.0	70.1 84	32.5 76	100 78	82.5	12.2	82.5	15 76	25.1	8.0	26.0	MAY 11
MAY 21	8	45.1	7.6	47.5	53.1 81	31.1 83	100 76	72.1	18.1	73.5	16 76	26.5	9.8	23.5	MAY 21
JUN 1	11	48.4	10.4	50.0	69.5 84	33.2 79	100 83	78.0	20.6	84.0	16 78	28.3	9.4	25.0	JUN 1
JUN 11	11	48.4	10.7	51.0	68.1 83	29.5 74	100 83	75.3	16.1	71.0	15 74	28.2	9.2	31.0	JUN 11
JUN 21	11	47.7	10.7	53.0	59.4 83 M	31.2 77	89 83	70.9	14.8	73.0	16 77	28.8	8.0	31.0	JUN 21
JUL 1	11	47.2	9.3	48.0	61.0 78	31.7 77	94 83	72.8	18.4	78.0	17 77	29.4	8.6	27.0	JUL 1
JUL 11	11	43.8	10.8	45.0	62.0 83	30.6 79	100 82	74.4	21.8	88.0	18 79	26.8	7.2	24.0	JUL 11
JUL 21	10	33.6	5.9	32.0	43.1 75	25.5 74	86 77	55.4	17.2	54.0	14 80	21.3	4.9	21.0	JUL 21
AUG 1	10	35.1	9.8	33.5	50.6 76	23.1 78	90 74	53.8	18.3	50.5	15 77	22.4	6.3	22.0	AUG 1
AUG 11	11	40.5	12.5	38.0	68.2 78	19.9 77	100 78	67.9	25.6	63.0	15 77	25.4	6.8	25.0	AUG 11
AUG 21	11	45.7	9.2	45.0	58.5 75	29.4 74	100 80	80.9	17.3	85.0	19 84	27.7	6.5	26.0	AUG 21
SEP 1	11	45.2	9.7	43.0	62.5 83	30.0 76	100 79	71.5	18.7	71.0	11 82	28.8	9.8	30.0	SEP 1
SEP 11	11	43.3	9.9	41.0	59.9 83 M	29.8 79	93 83	66.8	17.0	63.0	16 76	28.7	8.3	27.0	SEP 11
SEP 21	11	47.8	12.0	51.0	65.8 82 M	27.6 74	93 84	68.1	21.7	72.0	22 77	33.4	7.6	32.0	SEP 21
OCT 1	9	49.3	12.4	51.0	63.9 75	26.4 79	94 81	70.6	21.6	75.0	17 79	34.1	8.6	37.0	OCT 1
OCT 11	9	56.9	8.9	60.0	67.4 82	40.1 78	100 83	81.1	15.5	85.0	16 78	39.3	12.1	46.0	OCT 11
OCT 21	6	60.9	13.0	63.0	78.3 75 M	45.5 81	100 83	80.7	18.2	82.0	24 75	37.0	8.7	36.0	OCT 21
MONTH															MONTH
MAY	8	49.2	6.5	46.5	58.7 81	42.7 76	100 83	93.9	7.0	96.5	15 76	21.9	5.8	21.0	MAY
JUN	11	48.2	8.9	47.0	60.2 83 M	34.5 74	100 83	87.1	12.2	87.0	15 74	23.2	7.7	23.0	JUN
JUL	10	40.4	4.8	40.0	45.8 81	33.4 79	100 82	85.6	11.5	88.5	14 80	20.0	4.1	20.5	JUL
AUG	10	40.0	5.7	39.0	48.2 76	33.3 77	100 80	88.9	13.6	92.5	15 77	19.9	4.3	18.5	AUG
SEP	11	45.4	7.7	43.0	56.0 83 M	32.6 74	100 79	84.4	11.1	87.0	11 82	24.3	8.6	22.0	SEP
OCT	6	57.4	8.7	57.0	67.7 75 M	44.6 78	100 83	87.8	13.3	91.0	16 78	31.8	9.8	36.0	OCT

(con.)

Table II (Con.)

DRY BULB TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100409 KINGSTON RS — 1951-1970

10-DAY AND MONTHLY PERIOD MEANS | 10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
MAY 1	9	59.0	7.8	57.0	74.1 66	50.5 61	90 66	72.0	9.5	72.0	39 61	44.8	3.7	45.0	MAY 1
MAY 11	10	64.9	3.0	64.5	69.1 63	59.0 66	84 70	77.7	3.7	77.0	39 67	49.4	6.7	47.5	MAY 11
MAY 21	11	67.1	3.9	67.0	74.9 63	59.9 68	87 56	80.9	3.8	83.0	45 64	53.7	4.6	54.0	MAY 21
JUN 1	20	69.3	5.8	67.5	79.3 69	60.2 54	93 70	82.2	5.2	82.0	45 54	56.1	7.3	54.0	JUN 1
JUN 11	20	71.1	5.9	69.0	83.3 61	63.6 54	96 61	84.0	5.5	83.0	50 56	57.9	5.1	57.0	JUN 11
JUN 21	20	71.0	5.1	69.5	78.8 62	60.8 69	95 55	82.9	6.1	82.0	49 53	56.9	5.3	58.0	JUN 21
JUL 1	20	77.4	5.7	76.5	89.4 68	65.6 55	95 70	89.6	4.2	90.0	53 66	63.3	7.6	60.5	JUL 1
JUL 11	20	82.1	5.0	82.5	92.9 60	74.3 57	101 67	92.6	5.0	93.5	61 63	70.9	5.9	70.0	JUL 11
JUL 21	20	83.2	4.8	84.0	89.8 51	73.7 70	100 59	92.0	4.0	93.0	54 54	70.9	8.8	71.5	JUL 21
AUG 1	20	81.9	5.0	83.0	89.9 61	71.8 62	106 61	91.6	5.7	93.0	57 62	68.9	7.5	70.0	AUG 1
AUG 11	20	81.2	6.7	81.5	95.4 67	65.6 68	99 67	91.4	4.7	91.5	52 64	69.9	10.1	72.0	AUG 11
AUG 21	20	75.2	7.2	74.5	87.7 70	61.4 60	98 67	88.2	7.8	89.0	50 60	62.2	8.7	60.0	AUG 21
SEP 1	20	74.5	6.8	73.5	87.0 55	63.0 70	93 58	85.2	5.6	85.0	48 61	60.9	9.2	60.0	SEP 1
SEP 11	20	69.3	6.7	70.0	80.6 53 M	55.8 65	95 53	82.3	7.5	84.5	44 65	53.7	5.7	55.0	SEP 11
SEP 21	20	67.3	8.3	64.5	80.8 52	53.6 59	92 67	79.1	9.4	77.5	45 61	53.2	7.2	51.5	SEP 21
OCT 1	10	63.3	6.2	63.0	75.8 52	53.2 69	82 70	75.9	6.0	76.5	43 70	51.9	8.0	52.0	OCT 1
OCT 11	7	57.2	5.7	57.0	67.8 63	51.0 66	75 64	66.6	7.5	68.0	44 69	47.7	4.8	47.0	OCT 11
OCT 21	7	52.7	5.4	51.0	62.9 65	47.2 67	70 69	64.3	4.8	64.0	37 64	42.6	5.5	41.0	OCT 21
MONTH															MONTH
MAY	9	63.9	2.7	62.0	68.1 69	61.0 64	90 66	83.0	3.5	83.0	39 67	43.3	3.0	44.0	MAY
JUN	20	70.5	3.3	69.5	78.5 61	65.1 53	96 61	86.9	4.6	87.0	45 54	52.1	3.8	52.0	JUN
JUL	20	81.0	3.0	81.0	88.2 60	76.3 55	101 67	94.8	3.4	94.5	53 66	60.6	5.9	59.0	JUL
AUG	20	79.3	4.8	79.0	88.8 67	71.7 64	106 61	94.9	3.8	95.5	50 60	60.1	7.2	58.5	AUG
SEP	20	70.4	5.4	69.5	78.7 63	62.0 59	95 53	87.6	4.9	88.5	44 65	49.8	4.3	48.5	SEP
OCT	7	57.2	3.4	56.0	61.7 65	52.2 69	82 70	76.4	4.5	75.0	37 64	41.1	2.5	41.0	OCT

RELATIVE HUMIDITY

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100409 KINGSTON RS — 1951-1970

10-DAY AND MONTHLY PERIOD MEANS | 10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
MAY 1	9	45.5	13.8	40.0	69.7 61	31.0 66	86 63	72.3	14.5	76.0	15 66	26.7	12.6	21.0	MAY 1
MAY 11	10	39.4	7.8	37.5	56.6 52 M	29.9 64	91 67	72.1	18.0	77.5	15 64	21.5	5.3	20.0	MAY 11
MAY 21	11	41.9	7.3	40.0	59.0 68	32.3 64	94 69	80.7	12.6	88.0	13 63	20.5	4.2	22.0	MAY 21
JUN 1	20	46.2	9.8	48.5	62.1 59	29.1 65	88 67	72.9	17.4	81.0	14 55	25.4	7.8	25.0	JUN 1
JUN 11	20	43.4	8.4	43.5	57.4 65	25.8 69	94 70	73.0	15.2	72.0	13 61	24.6	5.7	24.5	JUN 11
JUN 21	20	43.0	9.8	42.0	63.0 69	26.7 62	94 69	71.8	17.6	78.5	16 70	24.6	5.8	25.0	JUN 21
JUL 1	20	37.1	8.9	35.0	57.4 55	21.5 68	94 66	64.7	20.1	63.0	15 68	21.3	4.6	20.5	JUL 1
JUL 11	20	30.6	6.5	29.5	43.5 57	18.9 60	75 57	48.4	14.4	46.0	12 60	19.2	3.5	19.5	JUL 11
JUL 21	20	26.8	7.4	23.0	42.4 55	19.6 60	89 64	45.6	21.8	34.0	11 52	16.4	3.1	16.0	JUL 21
AUG 1	20	29.7	8.9	25.5	52.4 62	20.0 59	94 60	54.3	20.0	54.0	9 61	17.1	4.6	16.5	AUG 1
AUG 11	20	28.9	10.7	25.0	58.0 68	13.6 67	93 68	50.1	24.2	41.0	11 67	15.4	3.8	15.0	AUG 11
AUG 21	20	36.1	13.5	33.0	58.3 65	17.3 70	89 54	62.1	23.9	71.0	10 66	18.7	6.8	17.5	AUG 21
SEP 1	20	34.1	10.0	31.5	53.2 70	20.6 55	100 70	62.4	24.4	59.0	11 67	19.2	5.8	18.5	SEP 1
SEP 11	20	41.8	12.5	41.5	64.4 59	22.1 53 M	94 65	77.4	19.7	88.0	11 53	21.4	6.5	19.5	SEP 11
SEP 21	20	43.1	12.3	43.5	71.9 59	23.0 52	94 51	77.2	18.3	84.5	8 67	23.6	9.4	21.5	SEP 21
OCT 1	10	45.2	10.5	44.0	62.1 69	24.3 52	93 69	75.5	18.2	77.0	16 52	23.7	5.3	23.0	OCT 1
OCT 11	7	49.2	10.5	45.0	63.0 65	35.1 69	100 67	80.0	19.1	86.0	23 69	30.4	5.0	31.0	OCT 11
OCT 21	7	60.6	7.4	62.0	67.3 67	45.6 65	100 67	89.7	9.1	92.0	27 70	34.4	3.6	35.0	OCT 21
MONTH															MONTH
MAY	9	41.6	4.5	40.0	50.5 61	37.2 65	94 69	87.4	5.6	88.0	13 63	16.4	1.9	17.0	MAY
JUN	20	44.2	5.0	43.0	52.1 53	34.2 61	94 70	86.6	5.3	87.5	13 61	20.8	5.0	19.5	JUN
JUL	20	31.3	5.5	29.0	45.0 55	21.2 60	94 66	72.6	16.8	76.5	11 52	15.9	2.7	16.0	JUL
AUG	20	31.7	8.4	29.5	43.9 64	17.9 67	94 60	71.9	19.2	74.5	9 61	13.6	3.1	13.0	AUG
SEP	20	39.7	8.6	38.5	61.6 59	26.6 57	100 70	88.3	10.8	93.0	8 67	17.0	5.1	16.0	SEP
OCT	7	53.2	4.6	53.0	60.5 67	46.5 66	100 67	93.9	4.7	93.0	16 52	24.9	5.3	24.0	OCT

(con.)

Table 11 (Con.)

DRY BULB TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100412 MAGEE RS — 1963-1972

10-DAY AND MONTHLY PERIOD MEANS | 10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
JUN 1	8	67.7	7.0	67.5	76.0 69	58.0 71	91 70	79.8	8.6	80.5	44 66	56.0	9.0	52.5	JUN 1
JUN 11	9	66.3	5.2	64.0	76.1 69	61.5 65	87 70	80.1	5.3	80.0	46 72	52.9	3.3	53.0	JUN 11
JUN 21	9	67.5	5.5	66.0	75.8 70	57.5 69	89 70	81.1	5.0	80.0	44 71	51.6	4.6	52.0	JUN 21
JUL 1	9	76.0	6.8	76.0	88.0 68	65.5 71	95 64	87.1	5.6	87.0	46 71	60.8	9.4	58.0	JUL 1
JUL 11	10	76.9	5.0	77.5	83.3 67	67.9 72	100 67	89.4	6.0	90.0	50 72	63.4	6.8	63.5	JUL 11
JUL 21	10	78.9	4.7	79.5	85.5 71	69.8 70	93 68	88.2	3.8	88.5	56 65	65.3	7.6	62.5	JUL 21
AUG 1	10	81.4	4.6	82.0	88.5 71	71.1 64	95 71	90.3	4.1	91.0	54 64	66.4	7.4	67.5	AUG 1
AUG 11	10	77.7	7.8	77.5	92.9 67	63.7 68	97 67	88.6	4.7	87.0	51 68	65.2	11.0	64.0	AUG 11
AUG 21	10	74.7	7.6	75.5	84.5 70	63.5 65	96 69	88.3	7.0	90.0	52 65	61.5	8.8	60.0	AUG 21
SEP 1	10	71.1	8.0	71.0	82.2 63	62.2 64	91 69	82.3	7.0	83.5	47 70	58.2	10.1	55.0	SEP 1
SEP 11	10	63.1	6.4	63.0	73.1 67	53.3 65	86 63	74.9	8.0	76.5	39 65	49.7	6.4	50.5	SEP 11
SEP 21	7	66.8	8.7	64.0	78.6 63	55.7 71	88 66	81.1	6.1	80.0	40 72	50.6	6.0	50.0	SEP 21
MONTH															MONTH
JUN	8	66.6	3.0	66.0	71.4 70	62.5 71	91 70	85.0	3.6	84.5	44 71	48.6	3.5	50.0	JUN
JUL	9	77.6	2.4	77.0	81.2 67	73.1 72	100 67	92.2	3.8	92.0	46 71	55.7	5.4	57.0	JUL
AUG	10	77.8	5.4	78.5	86.3 67	68.5 64	97 67	92.7	3.7	93.5	51 68	56.9	5.0	55.5	AUG
SEP	7	68.0	7.3	67.0	76.7 67	60.3 71	91 69	84.9	5.9	88.0	39 65	48.4	4.8	47.0	SEP

RELATIVE HUMIDITY

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100412 MAGEE RS — 1963-1972

10-DAY AND MONTHLY PERIOD MEANS | 10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
JUN 1	8	50.0	10.3	50.5	64.4 71	31.6 65	100 66	78.6	18.9	84.5	19 72	24.6	5.2	23.0	JUN 1
JUN 11	9	51.0	8.9	50.0	62.5 70	37.7 67	94 70	82.3	9.4	83.0	21 67	30.1	5.9	31.0	JUN 11
JUN 21	9	48.8	11.9	46.0	77.0 69	35.3 64	100 69	84.3	13.5	86.0	18 64	24.0	3.4	24.0	JUN 21
JUL 1	9	36.8	8.5	36.0	51.0 69	23.5 68	88 67	67.1	18.8	72.0	15 68	22.7	4.7	22.0	JUL 1
JUL 11	10	35.9	7.9	34.5	48.0 72	24.7 67	89 63	61.5	18.2	65.0	15 67	21.1	4.4	20.0	JUL 11
JUL 21	10	32.5	8.9	29.5	47.6 70	22.9 66	89 72	58.4	25.0	51.0	15 71	18.7	3.3	18.5	JUL 21
AUG 1	10	31.2	8.7	28.5	49.8 64	22.1 66	88 70	54.6	17.4	49.0	11 67	17.6	6.5	15.5	AUG 1
AUG 11	10	34.1	14.3	31.0	61.0 68	14.6 67	100 68	61.3	27.5	65.5	9 67	18.1	5.9	17.5	AUG 11
AUG 21	10	39.3	15.0	39.0	61.3 65	19.6 67	100 71	69.9	27.3	76.5	8 66	20.7	8.7	20.0	AUG 21
SEP 1	10	40.6	12.3	38.5	58.5 71	26.0 66	100 71	67.3	23.1	74.5	13 69	23.0	6.9	23.0	SEP 1
SEP 11	10	48.3	11.4	45.5	70.6 68	30.3 71	100 68	81.6	20.3	90.0	15 69	27.4	8.0	28.5	SEP 11
SEP 21	7	45.1	13.2	42.0	61.8 69	26.1 67	100 71	88.1	11.5	93.0	10 67	22.3	6.9	22.0	SEP 21
MONTH															MONTH
JUN	8	50.6	2.9	50.0	53.9 72	45.4 65	100 69	92.4	6.7	93.0	18 64	21.3	2.2	21.5	JUN
JUL	10	35.1	4.2	35.5	39.8 63 M	27.8 67	89 72	83.6	5.6	84.0	15 71	17.2	2.3	17.0	JUL
AUG	10	35.0	11.1	31.5	52.9 64	19.5 67	100 71	79.3	22.8	88.5	8 66	15.2	6.4	15.0	AUG
SEP	7	43.1	8.4	47.0	53.5 64	29.9 67	100 71	92.0	7.7	93.0	10 67	18.0	6.0	18.0	SEP

(con.)

Table 11 (Con.)

ORY BULB TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100306 MT COUER D ALENE LO — 1954-1970

10-DAY AND MONTHLY PERIOD MEANS | 10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
JUL 1	14	70.3	4.6	69.5	80.7 68	62.1 62	88 68	81.8	2.9	82.0	43 66	56.3	7.7	56.5	JUL 1
JUL 11	17	74.0	5.8	73.0	85.5 60	65.6 68	93 67	84.2	5.0	84.0	52 54	63.2	8.1	60.0	JUL 11
JUL 21	17	75.1	6.2	76.0	84.7 58	65.2 54	92 59	84.2	6.0	85.0	46 54	63.3	10.0	64.0	JUL 21
AUG 1	17	73.2	6.3	73.0	84.4 58	62.4 62	99 61	84.1	7.1	85.0	46 64	60.2	8.2	60.0	AUG 1
AUG 11	16	73.6	7.3	72.0	88.5 67	60.5 54	93 61	83.6	6.5	84.0	46 60	61.4	10.7	62.5	AUG 11
AUG 21	12	71.2	7.0	71.0	81.2 70	59.3 59	95 67	85.0	9.1	88.5	45 56	57.1	8.3	57.0	AUG 21
MONTH															MONTH
JUL	15	73.5	4.0	73.0	80.2 60	66.6 54	93 67	87.0	3.8	88.0	43 66	53.5	6.0	54.0	JUL
AUG	12	73.6	5.8	73.0	82.3 58	66.0 59	99 61	89.5	6.1	90.0	45 56	54.8	5.4	56.0	AUG

RELATIVE HUMIDITY

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100306 MT COUER D ALENE LO — 1954-1970

10-DAY AND MONTHLY PERIOD MEANS | 10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
JUL 1	14	44.7	7.9	46.0	55.6 54	31.2 68	100 63	74.7	19.7	80.0	16 58	27.1	6.8	26.0	JUL 1
JUL 11	17	39.2	8.5	38.0	51.7 68	22.8 60	89 70	61.1	17.3	57.0	15 60	24.5	5.5	25.0	JUL 11
JUL 21	17	35.0	9.9	30.0	57.7 55	25.4 66	100 70	60.8	26.3	47.0	12 69	21.5	4.4	21.0	JUL 21
AUG 1	17	37.3	12.7	33.0	67.9 62	24.1 61	100 64	64.5	21.2	55.0	11 61	21.2	6.5	18.0	AUG 1
AUG 11	16	35.3	11.9	34.0	60.8 54	15.0 67	100 59	60.9	27.1	54.5	8 67	20.9	6.5	21.5	AUG 11
AUG 21	12	37.8	12.4	36.0	57.8 56 M	21.7 70	94 56	66.8	25.0	76.0	11 67	18.6	6.4	17.5	AUG 21
MONTH															MONTH
JUL	15	39.4	6.6	37.0	51.6 55 M	27.2 60	100 70	86.1	14.3	89.0	12 69	19.9	3.2	19.0	JUL
AUG	12	34.6	8.8	31.0	51.4 62 M	21.7 67	100 64	76.8	18.3	80.5	8 67	15.2	4.0	16.0	AUG

ORY BULB TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100417 SPYGLASS LO — 1951-1970

10-DAY AND MONTHLY PERIOD MEANS | 10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
JUL 1	15	65.8	5.5	65.0	78.1 68	57.8 55	85 68	77.9	3.9	78.0	43 62	51.6	6.9	51.0	JUL 1
JUL 11	20	69.8	5.9	68.5	83.3 60	60.1 52	90 60	80.4	6.3	82.0	48 63	57.9	7.1	57.0	JUL 11
JUL 21	20	71.0	4.9	71.5	78.1 51	61.3 70	87 59	80.2	4.4	81.0	39 54	57.7	9.5	56.0	JUL 21
AUG 1	20	70.1	5.7	70.5	79.3 61	58.9 62	95 61	80.4	5.7	80.5	43 64	56.1	8.1	56.0	AUG 1
AUG 11	19	70.7	6.6	70.0	83.5 67	59.7 59	89 61	81.3	4.8	82.0	41 64	58.2	10.3	57.0	AUG 11
AUG 21	13	66.3	7.0	64.0	76.1 61 M	54.4 59	89 69	80.4	7.9	85.0	39 60	52.2	8.2	50.0	AUG 21
MONTH															MONTH
JUL	18	68.9	3.4	67.5	77.7 60	62.5 52	90 60	83.3	3.8	83.5	39 54	49.8	6.1	48.5	JUL
AUG	13	69.6	5.3	67.0	77.4 61 M	62.0 59	95 61	85.4	4.6	85.0	39 60	48.8	6.2	47.0	AUG

RELATIVE HUMIDITY

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 100417 SPYGLASS LO — 1951-1970

10-DAY AND MONTHLY PERIOD MEANS | 10-DAY AND MONTHLY EXTREME DAILY VALUES

PRD. BEGINS	NO. YRS	MEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG,YR	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. LOW	STD. DEV.	MEDIAN LOW	PRD. BEGINS
JUL 1	15	49.8	10.3	50.0	64.9 58	28.5 68	100 67	80.2	19.7	87.0	18 66	30.1	5.6	29.0	JUL 1
JUL 11	20	43.9	9.4	42.5	61.9 56	25.2 60	100 57	67.8	19.0	70.5	17 67	28.8	8.5	28.5	JUL 11
JUL 21	20	39.3	8.9	36.5	56.4 70	26.9 62	100 64	64.9	22.8	55.0	15 66	24.1	6.4	23.0	JUL 21
AUG 1	20	41.1	11.8	39.5	63.8 62	23.4 51	100 64	71.1	20.4	69.0	12 67	23.2	6.5	21.5	AUG 1
AUG 11	19	37.3	11.9	36.0	63.8 54	17.7 67	100 68	65.1	22.4	60.0	9 67	21.5	7.8	19.0	AUG 11
AUG 21	13	42.9	13.8	45.0	65.0 53	22.9 67	100 66	73.2	25.7	83.0	11 69	22.8	9.1	24.0	AUG 21
MONTH															MONTH
JUL	18	44.2	7.1	45.5	52.8 54	30.2 60	100 67	87.1	15.0	93.0	15 66	23.3	5.1	22.5	JUL
AUG	13	39.1	8.7	42.0	48.7 59	23.2 67	100 68	81.5	19.9	87.0	9 67	17.2	6.2	16.0	AUG

Table 12--Frequencies of afternoon dry bulb and relative humidity values. For indicated years of record and observation times noted in table 11 caption

ORY BULB TEMPERATURE

PERCENTAGE FREQUENCY DISTRIBUTION OF OAILY VALUES
-GIVEN TO TENTHS PERCENT, OECIMAL POINT OMITTED

STATION NUMBER 100304 FERNAN RS 1951-1970

TEMPERATURE VALUES

PRO. BEGINS	BELOW 0	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100 AND ABOVE	PRO. BEGINS
MAY 1										29	86	243	121	179	93	114	79	36	21				MAY 1
MAY 11									6	25	44	100	144	150	175	156	138	38	25				MAY 11
MAY 21										11	27	96	128	155	176	139	118	91	43	16			MAY 21
JUN 1											26	47	89	147	189	179	137	121	42	21			JUN 1
JUN 11											11	26	100	153	121	174	153	137	100	26			JUN 11
JUN 21												30	60	160	140	200	175	130	45	45	15		JUN 21
JUL 1												15	35	70	65	130	150	180	180	120	55		JUL 1
JUL 11														5	50	90	140	200	230	185	90	10	JUL 11
JUL 21													9	18	23	68	100	182	241	255	100	5	JUL 21
AUG 1													5	45	15	90	130	200	240	200	60	15	AUG 1
AUG 11												5	20	45	30	70	120	225	220	150	80	35	AUG 11
AUG 21												23	59	64	127	168	164	145	100	55	77	18	AUG 21
SEP 1												25	45	60	100	200	175	170	130	80	15		SEP 1
SEP 11										5	15	40	115	140	175	100	160	150	90	10			SEP 11
SEP 21										10	20	70	151	141	196	131	126	80	65	10			SEP 21
OCT 1										28	89	162	140	123	162	162	106	28					OCT 1
OCT 11										38	138	238	256	175	100	38	19						OCT 11
OCT 21							7	7	35	147	168	273	168	105	56	35							OCT 21
MONTH																							MONTH
MAY									2	21	49	140	131	160	152	138	113	57	31	6			MAY
JUN											12	34	83	153	150	184	155	129	62	31	5		JUN
JUL												5	15	31	45	95	129	187	218	189	82	5	JUL
AUG												10	29	52	60	111	139	189	184	132	73	23	AUG
SEP										5	12	45	104	114	157	144	154	134	95	33	5		SEP
OCT							2	2	10	66	129	220	187	135	110	83	46	10					OCT

RELATIVE HUMIDITY

PERCENTAGE FREQUENCY DISTRIBUTION OF OAILY VALUES
-GIVEN TO TENTHS PERCENT, OECIMAL POINT OMITTEO

STATION NUMBER 100304 FERNAN RS 1951-1970

HUMIOITY VALUES

PRO. BEGINS	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100	PRO. BEGINS
MAY 1			14	43	57	79	86	57	157	107	79	29	64	36	21	29	57	50	36			MAY 1
MAY 11				56	100	125	131	94	81	106	56	75	25	13	25	25	13	6	44		25	MAY 11
MAY 21				43	70	144	107	150	96	64	59	70	21	16	21	27	43	43	11		16	MAY 21
JUN 1				26	84	105	111	95	137	84	63	63	32	26	32	37	42	21	26	5	11	JUN 1
JUN 11				21	68	205	105	142	74	84	79	32	42	16	42	16	5	37	21		11	JUN 11
JUN 21				55	95	160	150	100	105	50	60	65	40	40	15	10	15	10	10		20	JUN 21
JUL 1			15	110	140	170	180	135	50	35	20	30	15	25	20	15	10	15	15			JUL 1
JUL 11			45	185	180	170	165	100	70	45		25	5	10								JUL 11
JUL 21			114	305	191	155	91	55	27	5	9	5	23			14	5		5			JUL 21
AUG 1		10	70	235	185	150	120	80	30	35	20	15	20	5	15	5	5					AUG 1
AUG 11		15	110	200	235	145	75	80	50	10	5	15		10	15	5	10	15	5			AUG 11
AUG 21		32	73	132	127	132	105	73	55	50	55	18	27	18	27	27	18	23	9			AUG 21
SEP 1		5	45	105	180	210	110	90	55	45	50	25	15	5	20	5	5	20	10			SEP 1
SEP 11			5	50	150	205	125	90	70	75	50	20	25	15	30	10	5	20	25		30	SEP 11
SEP 21			15	35	95	136	126	126	70	75	80	50	35	40	10	30	40	15	20			SEP 21
OCT 1			6	28	73	106	101	89	67	89	73	67	61	28	28	28	22	56	50		28	OCT 1
OCT 11					31	38	94	94	113	81	94	69	81	69	44	44	25	63	56		6	OCT 11
OCT 21								35	98	84	56	112	119	119	84	49	63	70	77		35	OCT 21
MONTH																						MONTH
MAY			4	47	76	119	109	105	109	90	64	60	35	21	23	27	37	33	29		14	MAY
JUN				34	83	157	122	112	105	72	67	53	38	28	29	21	21	22	19	2	14	JUN
JUL			60	203	171	165	144	95	48	27	10	19	15	11	6	10	5	5	6			JUL
AUG		19	84	187	181	142	100	77	45	32	27	16	16	11	19	13	11	13	5			AUG
SEP		2	22	63	142	184	120	102	65	65	60	32	25	20	20	15	17	18	18		10	SEP
OCT			2	10	37	52	68	75	91	85	75	81	85	68	50	39	35	62	60		23	OCT

(con.)

Table 12 (Con.)

DRY BULB TEMPERATURE

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100304 FERNAN RS 1974-1984

TEMPERATURE VALUES

PRD. BEGINS	BELOW 0	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100 AND ABOVE	PRD. BEGINS
MAY 1										38	125	213	225	238	63	50	50						MAY 1
MAY 11										13	138	138	163	200	175	113	50	13					MAY 11
MAY 21											34	114	239	182	125	91	125	57	11	23			MAY 21
JUN 1											9	92	183	183	147	156	138	73	18				JUN 1
JUN 11												100	64	145	200	173	118	55	109	36			JUN 11
JUN 21												29	95	124	114	210	200	143	86				JUN 21
JUL 1												27	45	155	127	209	191	118	73	27	27		JUL 1
JUL 11											9		36	91	100	200	182	191	127	55	9		JUL 11
JUL 21													17	9	17	95	155	250	302	129	26		JUL 21
AUG 1														10	67	67	269	192	202	183	10		AUG 1
AUG 11												9	64	45	109	173	109	173	155	127	36		AUG 11
AUG 21													74	132	124	66	248	215	132	8			AUG 21
SEP 1												18	55	91	227	218	255	100	36				SEP 1
SEP 11											19	19	130	120	139	204	194	120	46	9			SEP 11
SEP 21											38	67	192	125	183	212	154	29					SEP 21
OCT 1											101	146	191	169	169	157	56	11					OCT 1
OCT 11										73	98	207	366	171	37	49							OCT 11
OCT 21									14	164	274	260	164	110	14								OCT 21
MONTH																							MONTH
MAY										16	97	153	210	206	121	85	77	24	4	8			MAY
JUN											3	74	114	151	154	179	151	90	71	12			JUN
JUL											3	9	33	83	80	167	176	188	170	71	21		JUL
AUG												3	48	66	101	101	209	194	161	101	15		AUG
SEP											19	34	124	112	183	211	202	84	28	3			SEP
OCT									4	74	152	201	242	152	78	74	20	4					OCT

RELATIVE HUMIDITY

PERCENTAGE FREQUENCY OISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100304 FERNAN RS 1974-1984

HUMIDITY VALUES

PRD. BEGINS	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100	PRD. BEGINS
MAY 1				13	50	50	125	113	75	88	200	75	63	25	13	25		38			50	MAY 1
MAY 11				25	63	50	138	63	50	88	50	63	75	50	88	50	50	50	25		25	MAY 11
MAY 21				11	45	136	148	57	125	125	102	114	11	34	45		23	11			11	MAY 21
JUN 1				9	55	92	73	174	101	55	128	101	64	37	9	18	18	9	18		37	JUN 1
JUN 11				27	45	73	109	109	82	109	136	82	45	82	18		36		18		27	JUN 11
JUN 21				19	29	114	124	152	38	57	105	114	114	38	29	19	29	19				JUN 21
JUL 1				9	36	73	118	127	145	118	118	73	27	9	64	36	9	9	27			JUL 1
JUL 11				9	82	155	109	109	155	109	73	82	27				18	18	45		9	JUL 11
JUL 21			9	26	181	190	198	164	78	52	26	26	17		17	9		9				JUL 21
AUG 1				58	163	212	173	67	135	38	29	38	29	48					10			AUG 1
AUG 11				73	82	173	164	118	91	64	64	55	18		27	18			18	9	27	AUG 11
AUG 21				8	74	107	116	174	116	74	50	74	50	41	33	8	8	41		8	17	AUG 21
SEP 1			9	9	55	73	145	118	145	109	82	82	45	18	36	27	18	9	9		9	SEP 1
SEP 11				9	19	148	241	83	56	130	111	65	56	19	28		19	9	9			SEP 11
SEP 21					38	87	77	163	154	96	106	67	48	67	19	19	10	29	19			SEP 21
OCT 1				22	11	67	67	124	180	169	67	56	45	34	45	34	11	45	22			OCT 1
OCT 11				24	12	12	24	37	85	207	122	61	122	61	98	61		12	49		12	OCT 11
OCT 21					14			68	164	82	82	110	68	55	55	123	27	55	27		68	OCT 21
MONTH																						MONTH
MAY				16	52	81	137	77	85	101	117	85	48	36	48	24	24	32	8		28	MAY
JUN				19	43	93	102	145	74	74	123	99	74	52	19	12	28	9	12		22	JUN
JUL			3	15	101	140	143	134	125	92	71	60	24	3	27	15	9	12	24		3	JUL
AUG				45	104	161	149	122	113	60	48	57	33	30	21	9	3	15	9	6	15	AUG
SEP			3	6	37	102	155	121	118	112	99	71	50	34	28	16	16	16	12		3	SEP
OCT				16	12	29	33	78	143	156	90	74	78	49	66	70	12	37	33		25	OCT

(con.)

Table 12 (Con.)

DRY BULB TEMPERATURE

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100409 KINGSTON RS 1951-1970

TEMPERATURE VALUES

PRD. BEGINS	BELOW 0	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100 AND ABOVE	PRD. BEGINS
MAY 1									11	56	156	211	144	122	78	89	89	22	11	11			MAY 1
MAY 11									10	10	41	92	133	163	194	163	173	20					MAY 11
MAY 21											8	92	153	137	168	160	130	130	23				MAY 21
JUN 1											30	65	75	140	180	200	155	95	50	10			JUN 1
JUN 11												35	130	135	145	160	160	120	80	30	5		JUN 11
JUN 21											5	45	85	136	166	186	161	131	55	25	5		JUN 21
JUL 1												10	55	85	75	145	120	250	135	110	15		JUL 1
JUL 11														15	65	105	180	205	240	125	55	10	JUL 11
JUL 21												5	9	23	36	73	123	186	305	214	23	5	JUL 21
AUG 1													15	40	15	95	210	215	200	175	20	15	AUG 1
AUG 11												10	15	50	60	75	140	235	230	120	65		AUG 11
AUG 21												23	73	82	118	177	177	141	91	73	45		AUG 21
SEP 1											10	45	40	90	115	160	175	170	145	50			SEP 1
SEP 11										5	20	61	136	141	131	126	152	157	61	5	5		SEP 11
SEP 21											61	96	131	126	162	131	121	71	81	20			SEP 21
OCT 1										19	126	117	155	126	146	107	165	39					OCT 1
OCT 11										29	157	257	214	157	100	43	43						OCT 11
OCT 21									26	169	208	260	117	91	104	26							OCT 21
MONTH																							MONTH
MAY									6	19	60	125	144	141	150	141	132	66	13	3			MAY
JUN											12	48	97	137	164	182	159	115	62	22	3		JUN
JUL												5	21	40	58	106	140	213	229	152	31	5	JUL
AUG												11	35	58	66	118	176	195	171	121	44	5	AUG
SEP										2	30	67	102	119	136	139	149	133	96	25	2		SEP
OCT									8	68	160	200	160	124	120	64	80	16					OCT

RELATIVE HUMIDITY

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100409 KINGSTON RS 1951-1970

HUMIDITY VALUES

PRD. BEGINS	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100	PRD. BEGINS
MAY 1				78	133	78	33	78	156	44	111	56	33	33	33	44	33	56				MAY 1
MAY 11				61	102	194	163	102	133	71	31	10	10	10	10	51	10	31	10			MAY 11
MAY 21			8	31	69	237	130	107	99	76	38	53	31		31	31	8	31	23			MAY 21
JUN 1			5	20	45	130	120	155	105	70	60	35	60	45	40	25	35	50				JUN 1
JUN 11			5	40	80	120	160	80	130	65	90	70	40	10	15	30	15	25	25			JUN 11
JUN 21				25	80	136	176	131	95	75	50	50	25	35	30	15	40	25	10			JUN 21
JUL 1				60	145	210	170	115	55	55	30	45	30	5	30	20	10	15	5			JUL 1
JUL 11			10	80	225	220	205	90	60	50	20		15	10	10	5						JUL 11
JUL 21			45	200	295	218	100	50	18	18		14	14	5		14		9				JUL 21
AUG 1		5	55	220	185	155	120	85	40	40	20	5	25	10	15	5	10		5			AUG 1
AUG 11			95	180	255	170	80	60	25	25	15	20	10	15	10	15	10	10	5			AUG 11
AUG 21			77	141	132	141	123	59	55	50	50	32	18	14	32	14	23	41				AUG 21
SEP 1			30	120	180	185	145	90	70	55	5	25	20		15	5	15	15	20		5	SEP 1
SEP 11			15	66	146	177	106	86	71	56	40	15	25	30	30	45	5	45	40			SEP 11
SEP 21		5	5	56	152	116	116	86	66	91	51	45	30	30	25	30	25	30	40			SEP 21
OCT 1				49	78	136	87	146	78	87	39	10	58	49	58	39	10	39	39			OCT 1
OCT 11					14	57	143	143	186	114	57	43	29	43	29	29	43	29	14		29	OCT 11
OCT 21						13	26	117	104	91	78	91	117	13	78	52	52	26	130		13	OCT 21
MONTH																						MONTH
MAY			3	53	97	179	113	97	125	66	56	41	25	13	25	41	16	38	13			MAY
JUN			3	28	68	129	152	122	110	70	67	52	42	30	28	23	30	33	12			JUN
JUL			19	116	224	216	156	84	44	40	16	19	19	6	13	13	3	8	2			JUL
AUG		2	76	179	189	155	108	68	40	39	29	19	18	13	19	11	15	18	3			AUG
SEP		2	17	81	159	159	122	87	69	67	32	29	25	20	23	27	15	30	34		2	SEP
OCT				20	36	76	84	136	116	96	56	44	68	36	56	40	32	32	60		12	OCT

(con.)

Table 12 (Con.)

DRY BULB TEMPERATURE

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100306 MT COUER D ALENE LO 1954-1970

TEMPERATURE VALUES

PRD. BEGINS	BELOW 0	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100 AND ABOVE	PRD. BEGINS
JUL 1										13	13	34	60	94	174	262	141	168	40				JUL 1
JUL 11												6	65	76	135	224	194	182	106	12			JUL 11
JUL 21											5	27	43	64	96	176	198	262	112	16			JUL 21
AUG 1											6	35	41	88	171	182	200	165	82	12	18		AUG 1
AUG 11											25	25	43	74	123	215	245	98	104	49			AUG 11
AUG 21											31	23	101	124	163	155	147	109	101	39	8		AUG 21
MONTH																							MONTH
JUL										4	6	22	55	77	132	217	180	208	89	10			JUL
AUG											19	28	58	93	152	186	201	126	95	32	9		AUG

RELATIVE HUMIDITY

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100306 MT COUER D ALENE LO 1954-1970

HUMIDITY VALUES

PRD. BEGINS	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100	PRD. BEGINS
JUL 1				20	40	107	148	161	114	141	87	40	20	13	20	27	34		13		13	JUL 1
JUL 11				41	76	141	182	118	147	100	65	41	29	24	6	12		18				JUL 11
JUL 21			5	43	176	251	155	118	91	37	32	5	11	16	5	16	11	5	5		16	JUL 21
AUG 1			18	88	176	147	118	135	59	41	65	53	6	12	29		12	6	18		18	AUG 1
AUG 11		6	31	104	160	166	190	67	86	25	31	25	18	31	6	12			25		18	AUG 11
AUG 21			47	109	140	140	101	147	54	78	8	23	23	23	39	8	23	8	31			AUG 21
MONTH																						MONTH
JUL			2	36	103	172	162	130	117	89	59	28	20	18	10	18	14	8	6		10	JUL
AUG		2	30	100	160	152	139	115	67	45	37	35	15	22	24	6	11	4	24		13	AUG

DRY BULB TEMPERATURE

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100417 SPYGLASS LO 1951-1970

TEMPERATURE VALUES

PRD. BEGINS	BELOW 0	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100 AND ABOVE	PRD. BEGINS
JUL 1										13	67	73	73	187	167	220	113	80	7				JUL 1
JUL 11											10	55	101	101	191	206	196	101	35	5			JUL 11
JUL 21									5		23	50	45	55	191	214	291	114	14				JUL 21
AUG 1										10	25	30	70	110	165	220	235	105	15	10	5		AUG 1
AUG 11										10	26	67	41	108	144	206	222	113	62				AUG 11
AUG 21									7	14	75	88	122	170	184	82	109	68	82				AUG 21
MONTH																							MONTH
JUL									2	4	30	58	72	105	185	213	211	100	19	2			JUL
AUG									2	11	39	59	74	126	163	177	196	98	50	4	2		AUG

RELATIVE HUMIDITY

PERCENTAGE FREQUENCY DISTRIBUTION OF DAILY VALUES
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100417 SPYGLASS LO 1951-1970

HUMIDITY VALUES

PRD. BEGINS	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 29	30 TO 34	35 TO 39	40 TO 44	45 TO 49	50 TO 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TO 89	90 TO 94	95 TO 99	100	PRD. BEGINS
JUL 1				7	13	107	107	167	127	67	67	67	40	67	53	13	27	33	20		20	JUL 1
JUL 11				20	40	70	151	196	136	116	60	60	25	50	15	30	5	15	5		5	JUL 11
JUL 21				32	105	105	205	223	95	73	45	32	9	9	5	9	9	18	18		9	JUL 21
AUG 1			5	60	120	130	125	145	70	55	85	55	30	20	25	15	15	20	10		15	AUG 1
AUG 11		5	31	67	119	191	149	124	62	67	46	5	26	15	10	21	10	10	10		31	AUG 11
AUG 21			27	68	116	116	102	68	102	68	82	54	14	14	34	14	20	20	34		48	AUG 21
MONTH																						MONTH
JUL				21	58	93	160	199	118	86	56	51	23	39	21	18	12	21	14		11	JUL
AUG		2	20	65	118	148	128	116	76	63	70	37	24	17	22	17	15	17	17		30	AUG

Table 13--Windspeed (miles per hour) averages and frequencies by wind direction; data observed near 1500 P.s.t. For months of fire season, for indicated years of record, mostly 1954-70

WIND SPEED - DIRECTION
PERCENTAGE FREQUENCY OF OCCURRENCE BY DIRECTION FOR SELECTED SPEED INCREMENTS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100304 FERNAN RS 1954-1970

MONTH MAY

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	2	5	2	5	1	2							5	12	5.6
E	12	29	7	17									19	46	3.2
SE	14	34	10	24	3	7							27	66	4.1
S	32	78	62	150	16	39	2	5					112	272	5.2
SW	43	104	45	109	13	32	4	10					105	255	5.0
W	29	70	44	107	14	34	2	5					89	216	5.2
NW	10	24	8	19	2	5							20	49	4.4
N	22	53	7	17	2	5							31	75	2.9
CLM	4	10											4	10	0.0
TOT	168	408	185	449	51	124	8	19					412		4.7

MONTH JUN

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	4	8	9	19	2	4							15	32	5.1
E	6	13	5	11									11	23	3.7
SE	16	34	9	19	3	6							28	59	4.0
S	21	44	74	156	19	40	2	4	1	2			117	247	5.6
SW	21	44	51	108	23	49	6	13			1	2	102	216	6.4
W	35	74	59	125	35	74	4	8					133	281	6.0
NW	13	27	22	47	3	6	1	2					39	82	5.0
N	12	25	13	27	2	4							27	57	4.4
CLM	1	2											1	2	0.0
TOT	129	273	242	512	87	184	13	27	1	2	1	2	473		5.6

MONTH JUL

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	3	6	6	11	1	2							10	19	4.9
E	6	11	15	29	2	4							23	44	4.6
SE	8	15	15	29	5	10	1	2			1	2	30	57	5.9
S	27	52	93	178	18	34	3	6					141	270	5.3
SW	21	40	84	161	27	52	2	4					134	256	5.7
W	14	27	68	130	26	50	5	10					113	216	6.2
NW	10	19	28	54	2	4	2	4					42	80	4.8
N	14	27	13	25									27	52	3.6
CLM	3	6											3	6	0.0
TOT	106	203	322	616	81	155	13	25			1	2	523		5.5

MONTH AUG

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	6	11	2	4	1	2							9	17	3.4
E	8	15	5	10									13	25	3.5
SE	8	15	11	21	1	2							20	38	4.1
S	28	53	61	116	24	46	1	2					114	218	5.4
SW	27	52	73	139	29	55	3	6	1	2			133	254	6.0
W	36	69	95	181	36	69	6	11					173	330	5.7
NW	11	21	28	53	6	11							45	86	5.0
N	9	17	6	11	2	4							17	32	4.1
CLM															
TOT	133	254	281	536	99	189	10	19	1	2			524		5.4

MONTH SEP

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	7	14	6	12	10	20							23	47	6.1
E	10	20	5	10	1	2							16	33	3.6
SE	16	33	5	10	3	6							24	49	3.5
S	48	98	48	98	13	27			1	2			110	225	4.5
SW	37	76	48	98	15	31	4	8					104	213	5.1
W	43	88	56	115	20	41	8	16					127	260	5.7
NW	15	31	23	47	5	10	1	2					44	90	4.8
N	18	37	18	37	2	4							38	78	3.9
CLM	3	6											3	6	0.0
TOT	197	403	209	427	69	141	13	27	1	2			489		4.9

MONTH OCT

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	5	15	3	9									8	23	3.4
E	8	23	10	29									18	53	3.6
SE	15	44	7	20	1	3							23	67	3.2
S	56	164	26	76	6	18							88	257	3.4
SW	37	108	39	114	13	38	8	23	1	3			98	287	5.5
W	33	96	19	56	9	26	2	6					63	184	4.6
NW	17	50	9	26	1	3	1	3					28	82	3.9
N	6	18	5	15	1	3							12	35	4.1
CLM	4	12											4	12	0.0
TOT	181	529	118	345	31	91	11	32	1	3			342		4.2

(con.)

Table 13 (Con.)

W I N D S P E E D - D I R E C T I O N
PERCENTAGE FREQUENCY OF OCCURRENCE BY DIRECTION FOR SELECTED SPEED INCREMENTS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100409 KINGSTON RS 1954-1970

MONTH MAY

	WIND SPEED, MPH													
	0-3		4-7		8-12		13-18		19-24		>24		TOTAL	AVG
DIR.	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N. PCT	SPEED
NE	17	70	10	41	2	8							29 120	3.6
E	10	41	5	21									15 62	3.1
SE	6	25	9	37	2	8							17 70	4.2
S	3	12	6	25	2	8							11 45	5.5
SW	9	37	21	87	4	17							34 140	4.8
W	8	33	12	50									20 83	4.0
NW	28	116	51	211	4	17							83 343	4.2
N	13	54	18	74	1	4							32 132	3.8
CLM	1	4											1 4	0.0
TOT	95	393	132	545	15	62							242	4.1

MONTH JUN

	WIND SPEED, MPH													
	0-3		4-7		8-12		13-18		19-24		>24		TOTAL	AVG
DIR.	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N. PCT	SPEED
NE	18	38	35	74	4	8							57 121	4.3
E	15	32	15	32	2	4							32 68	4.0
SE	15	32	10	21	2	4							27 57	3.9
S	6	13	11	23	2	4							19 40	4.5
SW	10	21	11	23	1	2							22 47	3.7
W	41	87	22	47									63 133	3.1
NW	62	131	67	142	4	8							133 282	3.8
N	48	102	62	131	3	6	1	2					114 242	4.1
CLM	5	11											5 11	0.0
TOT	220	466	233	494	18	38	1	2					472	3.8

MONTH JUL

	WIND SPEED, MPH													
	0-3		4-7		8-12		13-18		19-24		>24		TOTAL	AVG
DIR.	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N. PCT	SPEED
NE	25	49	27	53	4	8							56 110	3.8
E	23	45	19	37									42 82	3.5
SE	10	20	5	10	1	2							16 31	3.6
S	8	16	11	22	2	4							21 41	4.3
SW	17	33	17	33	2	4							36 70	4.0
W	38	74	37	72									75 147	3.6
NW	68	133	93	182	3	6							164 321	3.9
N	38	74	56	110	2	4							96 188	4.0
CLM	5	10											5 10	0.0
TOT	232	454	265	519	14	27							511	3.8

MONTH AUG

	WIND SPEED, MPH													
	0-3		4-7		8-12		13-18		19-24		>24		TOTAL	AVG
DIR.	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N. PCT	SPEED
NE	21	41	37	72									58 113	3.9
E	18	35	20	39			1	2					39 76	3.8
SE	11	21	9	18	2	4							22 43	3.7
S	4	8	4	8									8 16	3.4
SW	17	33	15	29	1	2							33 64	3.6
W	33	64	51	99	2	4							86 167	3.9
NW	58	113	86	167	3	6							147 286	3.9
N	43	84	71	138	4	8							118 230	4.0
CLM	3	6											3 6	0.0
TOT	208	405	293	570	12	23	1	2					514	3.9

MONTH SEP

	WIND SPEED, MPH													
	0-3		4-7		8-12		13-18		19-24		>24		TOTAL	AVG
DIR.	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N. PCT	SPEED
NE	27	58	22	48									49 106	3.3
E	17	37	12	26	1	2							30 65	3.6
SE	28	43	10	22	1	2							31 67	3.1
S	7	15	5	11									12 26	3.5
SW	26	56	20	43	1	2							47 102	3.5
W	50	108	23	50	3	6							76 164	3.3
NW	92	199	37	80									129 279	2.9
N	45	97	35	76	1	2	2	4					83 179	3.5
CLM	6	13											6 13	0.0
TOT	290	626	164	354	7	15	2	4					463	3.2

MONTH OCT

	WIND SPEED, MPH													
	0-3		4-7		8-12		13-18		19-24		>24		TOTAL	AVG
DIR.	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N.	PCT	N. PCT	SPEED
NE	15	78	2	10									17 88	2.2
E	6	31											6 31	1.3
SE	17	88	4	21	2	10							23 119	2.9
S	2	10	3	16	1	5							6 31	4.3
SW	16	83	5	26	2	10	1	5					24 124	3.8
W	27	140	5	26	1	5							33 171	2.4
NW	48	249	10	52									58 301	2.4
N	14	73	4	21									18 93	2.2
CLM	8	41											8 41	0.0
TOT	153	793	33	171	6	31	1	5					193	2.5

(con.)

Table 13 (Con.)

W I N D S P E E D - D I R E C T I O N
PERCENTAGE FREQUENCY OF OCCURRENCE BY DIRECTION FOR SELECTED SPEED INCREMENTS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100412 MAGEE RS 1963-1972

MONTH JUN

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	3	13	4	17									7	30	4.4
E	1	4	1	4									2	9	4.0
SE	8	34	11	47	10	43							29	123	6.1
S	44	187	52	221	27	115	1	4					124	528	5.0
SW	8	34	5	21	3	13							16	68	5.0
W	2	9	2	9	2	9							6	26	6.2
NW			1	4	2	9	1	4					4	17	8.8
N	17	72	23	98	7	30							47	200	4.6
CLM															
TOT	83	353	99	421	51	217	2	9					235		5.1

MONTH JUL

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	3	11	2	8	1	4	1	4					7	27	5.9
E			1	4									1	4	5.0
SE	5	19	13	50	5	19	1	4					24	92	6.0
S	39	149	69	263	29	111	3	11					140	534	5.3
SW	9	34	15	57	4	15	1	4					29	111	5.6
W	4	15	1	4	2	8							7	27	4.1
NW	2	8	3	11									5	19	4.2
N	25	95	16	61	4	15	1	4					46	176	4.1
CLM	3	11											3	11	0.0
TOT	90	344	120	458	45	172	7	27					262		5.1

MONTH AUG

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	4	14	2	7									6	21	3.2
E	2	7	2	7	1	3							5	17	4.0
SE	8	28	20	70	5	17			1	3			34	119	5.9
S	58	203	76	266	20	70	3	10					157	549	4.8
SW	6	21	15	52	5	17							26	91	5.2
W															
NW	3	10	1	3									4	14	3.3
N	22	77	21	73	7	24	1	3					51	178	4.6
CLM	3	10											3	10	0.0
TOT	106	371	137	479	38	133	4	14	1	3			286		4.8

MONTH SEP

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	5	21	5	21	1	4							11	47	4.5
E	2	8											2	8	2.0
SE	5	21	7	30	6	25	1	4					19	81	6.3
S	53	225	52	220	20	85	2	8					127	538	4.5
SW	18	76	11	47	7	30	2	8					38	161	5.1
W	1	4	1	4									2	8	3.5
NW	1	4	3	13									4	17	4.8
N	19	81	8	34	3	13							30	127	3.5
CLM	3	13											3	13	0.0
TOT	107	453	87	369	37	157	5	21					236		4.5

W I N D S P E E D - D I R E C T I O N
PERCENTAGE FREQUENCY OF OCCURRENCE BY DIRECTION FOR SELECTED SPEED INCREMENTS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100306 MT COEUR D'ALENE LO 1954-1970

MONTH JUL

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	4	8			4	8							8	16	5.4
E	3	6	6	12	2	4							11	23	5.0
SE	5	10	4	8									9	18	3.6
S	30	61	32	66	11	23	1	2					74	152	4.6
SW	77	158	116	238	51	105	6	12					250	512	5.4
W	20	41	26	53	4	8	1	2					51	105	4.7
NW	15	31	33	68	3	6							51	105	4.6
N	8	16	12	25	3	6							23	47	4.9
CLM	11	23											11	23	0.0
TOT	173	355	229	469	78	160	8	16					488		4.9

MONTH AUG

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	8	18	7	16									15	34	3.6
E	4	9	5	11									9	21	3.7
SE	2	5	6	14	1	2							9	21	4.6
S	12	28	22	51	9	21	2	5					45	103	5.8
SW	47	108	138	317	57	131	3	7	1	2			246	566	5.8
W	14	32	11	25	4	9							29	67	4.2
NW	18	41	30	69	5	11							53	122	4.5
N	9	21	12	28	1	2							22	51	4.0
CLM	7	16											7	16	0.0
TOT	121	278	231	531	77	177	5	11	1	2			435		5.2

W I N D S P E E D - D I R E C T I O N
PERCENTAGE FREQUENCY OF OCCURRENCE BY DIRECTION FOR SELECTED SPEED INCREMENTS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100417 SPYGLASS LO 1954-1970

MONTH JUL

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	18	37	12	25	2	4							32	66	3.6
E	2	4	6	12									8	16	3.8
SE	5	10	8	16									13	27	3.5
S	7	14	16	33	5	10	1	2					29	60	5.6
SW	38	78	129	266	85	175	10	21			1	2	263	542	6.6
W	20	41	46	95	21	43	4	8					91	188	6.1
NW	21	43	10	21	1	2							32	66	3.2
N	6	12	6	12	1	2							13	27	3.4
CLM	4	8											4	8	0.0
TOT	121	249	233	480	115	237	15	31			1	2	485		5.8

MONTH AUG

DIR.	0-3 N.	PCT	4-7 N.	PCT	8-12 N.	PCT	13-18 N.	PCT	19-24 N.	PCT	>24 N.	PCT	TOTAL N.	PCT	AVG SPEED
NE	7	16	11	25	1	2							19	43	4.9
E	5	11	3	7									8	18	3.3
SE	5	11	7	16	2	5							14	32	4.9
S	4	9	10	23	6	14							20	45	5.9
SW	36	82	128	290	92	209	11	25	2	5			269	610	7.0
W	17	39	38	86	21	48							76	172	5.9
NW	15	34	11	25									26	59	3.6
N	3	7	1	2									4	9	3.3
CLM	5	11											5	11	0.0
TOT	97	220	209	474	122	277	11	25	2	5			441		6.2

Table 14--Frequencies of three-way combinations of dry bulb (degrees Fahrenheit), relative humidity (percent), and windspeed (miles per hour); data observed near 1500 P.s.t. For months of fire season, for indicated years of record

T E M P E R A T U R E - R E L A T I V E H U M I D I T Y - W I N D S P E E D
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100304 FERNAN RS 1954-1970

MONTH MAY

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94			7							
85-89	2	9	11							
80-84		7	25	9						
75-79	2	5	37	28	5					
70-74		5	14	28	14	7				
65-69			11	18	18	7	5	2		
60-64		2	5	14	34	16	2	2		
55-59			9	5	18	9	9	11	14	2
50-54				2	9	7	9	7	23	14
45-49					5		2	7	7	9
40-44						2			5	7
35-39										2
30-34										
<30										
TOTAL	5	28	120	103	103	48	28	30	48	34
NUMBER	2	12	52	45	45	21	12	13	21	15

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89		2		9						
80-84		5	9		2					
75-79		2	21	7	2					
70-74		5	25	21	7					
65-69		2	14	18	21	11	2			
60-64		2	7	21	21	7	11			
55-59			2	9	14	14		5		2
50-54				2	9	21	5	14	7	
45-49					2			5		7
40-44								2	2	2
35-39										
30-34										
<30										
TOTAL			18	78	87	78	53	18	25	9	11
NUMBER	0	0	8	34	38	34	23	8	11	4	5

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79			2							
70-74		2	2	2						
65-69			2	5	5	2				
60-64			5	2	7		2			
55-59		2			5	2	2			
50-54					5	2			2	
45-49			2			5				
40-44										
35-39										
30-34										
<30										
TOTAL		5	14	9	21	11	5		2	
NUMBER	0	2	6	4	9	5	2	0	1	0

WIND SPEED 15-19 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69				2						
60-64										
55-59			2							
50-54						2				
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL			2	2		2				
NUMBER	0	0	1	1	0	1	0	0	0	0

WIND SPEED GREATER/EQUAL 20 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL										
NUMBER	0	0	0	0	0	0	0	0	0	0

TEMP. DEG F	TOTAL	NUMBER
<100		0
95-99		0
90-94	7	3
85-89	34	15
80-84	57	25
75-79	110	48
70-74	131	57
65-69	147	64
60-64	161	70
55-59	138	60
50-54	140	61
45-49	51	22
40-44	21	9
35-39	2	1
30-34		0
<30		0
TOTAL	1000	
NUMBER		435

(con.)

Table 14 (Con.)

TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100304 FERNAN RS 1954-1970

MONTH JUN

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94		6	18							
85-89		10	8	6						
80-84		2	35	18	8					
75-79		2	16	22	2	2				
70-74			18	18	22	4				
65-69			2	12	22	16	4	8		
60-64				6	8	14	18	6	8	2
55-59						6	2	18	8	8
50-54					2	2			10	12
45-49								2		2
40-44										
35-39										
30-34										
<30										
TOTAL		20	98	84	65	45	24	35	27	24
NUMBER	0	10	48	41	32	22	12	17	13	12

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99			2	4						
90-94			2	10						
85-89			4	29	6					
80-84			8	29	29	4				
75-79				43	24	14	2			
70-74			6	20	41	22	4	2		
65-69				6	27	20	10	8		2
60-64					10	24	12	6	6	
55-59					2	2	6	4	2	4
50-54							4	2		2
45-49									4	2
40-44										
35-39										
30-34										
<30										
TOTAL		22	141	139	88	39	22	8	10	10
NUMBER	0	11	69	68	43	19	11	4	5	5

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89			2	2						
80-84			2	4						
75-79				8	2					
70-74			2	4	10	2	4			
65-69					2	6				
60-64					4	8	2	2	4	
55-59					2	2	2			
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		6	18	20	18	8	2	4		
NUMBER	0	3	9	10	9	4	1	2	0	0

WIND SPEED 15-19 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89		4								
80-84			2							
75-79										
70-74			2	2						
65-69			2			2				
60-64						2				
55-59									2	
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		4	6	2		4			2	
NUMBER	0	2	3	1	0	2	0	0	1	0

WIND SPEED GREATER/EQUAL 20 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79				2						
70-74										
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL				2						
NUMBER	0	0	0	1	0	0	0	0	0	0

TEMP. DEG F	TOTAL	NUMBER
<100		0
95-99	6	3
90-94	37	18
85-89	71	35
80-84	141	69
75-79	141	69
70-74	186	91
65-69	151	74
60-64	145	71
55-59	71	35
50-54	41	20
45-49	10	5
40-44		0
35-39		0
30-34		0
<30		0
TOTAL	1000	
NUMBER		490

(con.)

Table 14 (Con.)

TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100304 FERNAN RS 1954-1970

MONTH JUL

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100			2							
95-99		27	9	2						
90-94		36	28	9						
85-89		23	46	9	2					
80-84		9	32	34	6	2				
75-79		4	8	21	4	2				
70-74			4	11	15	2	8			
65-69				4	8	9	2			
60-64						2	4	8	4	
55-59						2		2	4	
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		99	129	91	34	19	13	9	8	
NUMBER	0	52	68	48	18	10	7	5	4	0

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100		4								
95-99		38	6							
90-94	2	70	21	2	2					
85-89		47	51	17						
80-84		13	44	28	8					
75-79		2	46	27	2					
70-74			2	30	8	4			2	
65-69				4	8	4	4	2		
60-64				2	2	2	8			2
55-59								2	2	2
50-54								2		2
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL	2	175	169	110	28	9	11	6	4	6
NUMBER	1	92	89	58	15	5	6	3	2	3

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99		2								
90-94		9	2							
85-89		6	4							
80-84		2	8	4						
75-79		4	2		2					
70-74		2	2	8						
65-69				4	2					
60-64							2			
55-59					2					
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		25	17	15	6		2			
NUMBER	0	13	9	8	3	0	1	0	0	0

WIND SPEED 15-19 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94		2	2							
85-89		2								
80-84										
75-79										
70-74					2					
65-69				2						
60-64										
55-59										
50-54								2		
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		4	2	2	2			2		
NUMBER	0	2	1	1	1	0	0	1	0	0

WIND SPEED GREATER/EQUAL 20 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
TOTAL			2							
NUMBER	0	0	1	0	0	0	0	0	0	0

TEMP. DEG F	TOTAL	NUMBER
<100	6	3
95-99	83	44
90-94	188	99
85-89	207	109
80-84	190	100
75-79	121	64
70-74	99	52
65-69	51	27
60-64	34	18
55-59	15	8
50-54	6	3
45-49		0
40-44		0
35-39		0
30-34		0
<30		0
TOTAL	1000	
NUMBER		527

(con.)

Table 14 (Con.)

TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100304 FERNAN RS 1954-1970

MONTH AUG

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100	9	2								
95-99	8	28	2							
90-94	2	46	19							
85-89		32	38	11						
80-84		11	36	21	4					
75-79		4	17	25	8		2			
70-74			11	8	9	8	2			
65-69				2	4	6	11	8		
60-64					8	4		8	4	2
55-59						2	4	9	6	2
50-54									4	2
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL	19	123	123	66	32	19	19	25	13	6
NUMBER	10	65	65	35	17	10	10	13	7	3

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100	9	6								
95-99	2	32	4							
90-94		42	8							
85-89	2	47	27		2					
80-84		11	68	15	2					
75-79		8	25	27						
70-74		2	11	25	19	6				
65-69			2	11	6	2	2	4		
60-64				4	4	6	6	2	4	
55-59						2	2			
50-54								2	2	
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL	13	148	144	82	32	15	9	8	6	
NUMBER	7	78	76	43	17	8	5	4	3	0

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94		6								
85-89		11	13							
80-84		8	9	2						
75-79		2	8	4	2					
70-74			2	2	4	2				
65-69					2		2			
60-64				2	2	2	2	2		
55-59									2	
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		27	32	9	9	4	4	2	2	
NUMBER	0	14	17	5	5	2	2	1	1	0

WIND SPEED 15-19 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94		2								
85-89										
80-84			2							
75-79				2						
70-74			2							
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		2	4	2						
NUMBER	0	1	2	1	0	0	0	0	0	0

WIND SPEED GREATER/EQUAL 20 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL										
NUMBER	0	0	0	0	0	0	0	0	0	0

TEMP. DEG F	TOTAL	NUMBER
<100	27	14
95-99	76	40
90-94	123	65
85-89	184	97
80-84	190	100
75-79	131	69
70-74	112	59
65-69	61	32
60-64	59	31
55-59	28	15
50-54	9	5
45-49		0
40-44		0
35-39		0
30-34		0
<30		0
TOTAL	1000	
NUMBER		527

(con.)

Table 14 (Con.)

TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100304 FERNAN RS 1954-1970

MONTH SEP

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99		2								
90-94		20	6							
85-89		27	43	4						
80-84		8	53	6						
75-79		16	45	31	4					
70-74			27	27	16	4				
65-69			14	29	24	20	6			
60-64			2	12	8	8	16	8	2	
55-59			4	4	6	6	10	10	10	8
50-54			2		2	10		2	4	12
45-49								4	4	2
40-44									2	2
35-39										
30-34										
<30										
TOTAL		73	196	114	59	47	31	24	22	24
NUMBER	0	37	100	58	30	24	16	12	11	12

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99			4							
90-94	2		8							
85-89			4	12						
80-84			6	24	12	4				
75-79			2	27	18	8				
70-74			2	14	16	10				
65-69			6	12	12	14	6			
60-64				6	16	12	4		2	2
55-59			2	2	6	6	4	4	8	4
50-54				2	2			4	4	4	2
45-49								2		
40-44							2			
35-39										
30-34										
<30										
TOTAL	2	33	98	80	53	16	10	14	6	6
NUMBER	1	17	50	41	27	8	5	7	3	3

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94		2								
85-89		2	2							
80-84		2	2							
75-79		2	4			2				
70-74			10	2	2	2				
65-69			6	4	2					
60-64				4	4	8	2	2		
55-59				2		2	2	2	4	
50-54							2			
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		8	24	12	8	14	6	4	4	
NUMBER	0	4	12	6	4	7	3	2	2	0

WIND SPEED 15-19 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84		2								
75-79				2						
70-74			2							
65-69			4			2				
60-64										
55-59								2		
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		2	6	2		2		2		
NUMBER	0	1	3	1	0	1	0	1	0	0

WIND SPEED GREATER/EQUAL 20 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69										
60-64										
55-59										
50-54						2				
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL						2				
NUMBER	0	0	0	0	0	1	0	0	0	0

TEMP. DEG F	TOTAL	NUMBER
<100		0
95-99	6	3
90-94	37	19
85-89	94	48
80-84	118	60
75-79	161	82
70-74	133	68
65-69	159	81
60-64	116	59
55-59	106	54
50-54	53	27
45-49	12	6
40-44	6	3
35-39		0
30-34		0
<30		0
TOTAL	1000	
NUMBER		510

(con.)

Table 14 (Con.)

TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100304 FERNAN RS 1954-1970

MONTH OCT

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84		3	8							
75-79		3	10	18						
70-74			5	26	18	3				
65-69		3	10	28	23	10				
60-64		3	5	23	26	26	13	3		
55-59			5	21	28	10	36	26	10	3
50-54			3	10	18	38	38	15	36	5
45-49				3	5	13	18	15	21	15
40-44			3				5	5	13	23
35-39										8
30-34									3	
<30									3	
TOTAL		10	49	128	118	100	110	64	85	54
NUMBER	0	4	19	50	46	39	43	25	33	21

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84		3								
75-79			10	3						
70-74			13	3	3					
65-69			3	3	21					
60-64			5	5	8	8				
55-59			3	3	10	5		8		3
50-54			5	13	5	21	3	5	5	8
45-49					3	3	5	15	5	8
40-44							5			3
35-39										
30-34										
<30										
TOTAL		3	38	28	49	36	13	28	10	21
NUMBER	0	1	15	11	19	14	5	11	4	8

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79		3								
70-74			3							
65-69					3					
60-64				3						
55-59			3	3	3	3		3		
50-54						3	5			
45-49						3		3		3
40-44							3			
35-39										
30-34										
<30										
TOTAL		3	5	5	5	8	8	5		3
NUMBER	0	1	2	2	2	3	3	2	0	1

WIND SPEED 15-19 MPH

	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69						3				
60-64					3					
55-59				3						
50-54					3	3				
45-49							3			
40-44										
35-39										
30-34										
<30										
TOTAL				3	5	5	3			
NUMBER	0	0	0	1	2	2	1	0	0	0

WIND SPEED GREATER/EQUAL 20 MPH

	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL										
NUMBER	0	0	0	0	0	0	0	0	0	0

TEMP. DEG F	TOTAL	NUMBER
<100		0
95-99		0
90-94		0
85-89		0
80-84	13	5
75-79	46	18
70-74	72	28
65-69	105	41
60-64	128	50
55-59	185	72
50-54	241	94
45-49	138	54
40-44	59	23
35-39	8	3
30-34	3	1
<30	3	1
TOTAL	1000	
NUMBER		390

(con.)

Table 14 (Con.)

TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100409 KINGSTON RS 1954-1970

MONTH JUN

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99			4							
90-94		6	16							
85-89		12	22	6	2					
80-84		2	43	29	8	2				
75-79		4	27	43	12	2				
70-74		4	22	43	20	20	2			
65-69			8	22	43	14	10	4	2	
60-64				12	22	22	14	16	10	
55-59				2	12	12	24	18	14	6
50-54						4	2	8	22	8
45-49							2		8	
40-44										
35-39										
30-34										
<30										
TOTAL		27	141	157	118	75	53	45	55	14
NUMBER	0	14	72	80	60	38	27	23	28	7

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94			2	2						
85-89			4	20	6					
80-84			2	20	12	2	2			
75-79			2	18	27	14				
70-74				20	25	16	4	2		
65-69				6	25	12	8	2	4	
60-64					6	14	10	2	2	
55-59					2		6			2
50-54							2		2	
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL			10	84	104	57	31	6	8	2
NUMBER	0	0	5	43	53	29	16	3	4	1	0

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84				2	2					
75-79				4						
70-74				2	2					
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL				8	4					
NUMBER	0	0	4	2	0	0	0	0	0	0

WIND SPEED 15-19 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69							2			
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL							2			
NUMBER	0	0	0	0	0	0	1	0	0	0

WIND SPEED GREATER/EQUAL 20 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL										
NUMBER	0	0	0	0	0	0	0	0	0	0

TOTAL	NUMBER
<100	0
95-99	2
90-94	13
85-89	36
80-84	64
75-79	78
70-74	92
65-69	82
60-64	65
55-59	49
50-54	24
45-49	5
40-44	0
35-39	0
30-34	0
<30	0
1000	
	510

(con.)

Table 14 (Con.)

TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100409 KINGSTON RS 1954-1970

MONTH JUL

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100				2						
95-99		17	9							
90-94		40	59	6	4					
85-89		32	110	27	2					
80-84		11	66	53	9					
75-79			27	25	17	2	2			
70-74			6	32	13	8	2	2		
65-69			4		21	9	8	2		
60-64				2	4	9	13	8	6	
55-59					2		2	9	4	2
50-54								4	2	
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		101	281	146	72	28	27	25	11	2
NUMBER	0	53	148	77	38	15	14	13	6	1

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100		4								
95-99		6	2							
90-94		15	19							
85-89		23	23	2	2					
80-84		9	51	13						
75-79		4	28	32	4					
70-74		4	8	23	4		2			
65-69			2	6	9		2	2		
60-64					2					
55-59							2	2		
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		65	133	76	21		6	4		
NUMBER	0	34	70	40	11	0	3	2	0	0

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94			2							
85-89										
80-84		2								
75-79										
70-74										
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		2	2							
NUMBER	0	1	1	0	0	0	0	0	0	0

WIND SPEED 15-19 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL										
NUMBER	0	0	0	0	0	0	0	0	0	0

WIND SPEED GREATER/EQUAL 20 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL										
NUMBER	0	0	0	0	0	0	0	0	0	0

TEMP. DEG F	TOTAL	NUMBER
<100	6	3
95-99	34	18
90-94	144	76
85-89	220	116
80-84	216	114
75-79	140	74
70-74	102	54
65-69	65	34
60-64	44	23
55-59	23	12
50-54	6	3
45-49		0
40-44		0
35-39		0
30-34		0
<30		0
TOTAL	1000	
NUMBER		527

(con.)

Table 14 (Con.)

TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100409 KINGSTON RS 1954-1970

MONTH AUG

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100	4									
95-99	2	23	4							
90-94		65	28							
85-89		65	46	8						
80-84		34	47	21	2	2				
75-79		8	49	38	15	4				
70-74			11	30	25	6	4			
65-69			2	13	8	19	4	8	2	
60-64					8	8	13	8	8	2
55-59					6		4	9	15	
50-54									8	2
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL	6	194	188	110	63	38	25	25	32	4
NUMBER	3	102	99	58	33	20	13	13	17	2

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100		2								
95-99		15	2							
90-94		17	4							
85-89		27	27							
80-84		19	53	8						
75-79		4	32	30						
70-74		2	9	17	9	2		2		
65-69			2		8	4				
60-64				2	2	4	4	2		
55-59					2				2	
50-54								2	2	
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		85	129	57	21	9	4	6	4	
NUMBER	0	45	68	30	11	5	2	3	2	0

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
NUMBER	0	0	0	0	0	0	0	0	0	0

WIND SPEED 15-19 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79				2						
70-74										
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL				2						
NUMBER	0	0	0	1	0	0	0	0	0	0

WIND SPEED GREATER/EQUAL 20 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
NUMBER	0	0	0	0	0	0	0	0	0	0

TEMP. DEG F	TOTAL	NUMBER
<100	6	3
95-99	46	24
90-94	114	60
85-89	171	90
80-84	186	98
75-79	182	96
70-74	118	62
65-69	68	36
60-64	59	31
55-59	38	20
50-54	13	7
45-49		0
40-44		0
35-39		0
30-34		0
<30		0
TOTAL	1000	
NUMBER		527

(con.)

Table 14 (Con.)

TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT. DECIMAL POINT OMITTED

STATION NUMBER 100409 KINGSTON RS 1954-1970

MONTH SEP

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94		18	6							
85-89		25	45	6						
80-84	2	24	67	22						
75-79		6	67	41	14	2				
70-74		4	35	37	27	2		2		
65-69		2	29	29	37	14	4			
60-64		2	16	18	29	4	16	6	10	
55-59		2	2	10	10	12	10	25	8	8
50-54				6	4	4	6	12	14	18
45-49						4		4	4	8
40-44								2		
35-39										
30-34										
<30										
TOTAL	2	82	267	169	122	41	35	51	35	33
NUMBER	1	42	136	86	62	21	18	26	18	17

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94		6								
85-89		2	4							
80-84		2	6							
75-79		4	6	10						
70-74		2	12	12	2	2				
65-69			4	6	4	6				
60-64			4	8	12	2	6			
55-59				2			4		4	2
50-54			2	4	2	2				2
45-49			2	2		2	2	4	2	2
40-44										
35-39										
30-34										
<30										
TOTAL		16	39	43	20	14	12	4	6	6
NUMBER	0	8	20	22	10	7	6	2	3	3

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84			2							
75-79		2								
70-74										
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		2	2							
NUMBER	0	1	1	0	0	0	0	0	0	0

WIND SPEED 15-19 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL										
NUMBER	0	0	0	0	0	0	0	0	0	0

WIND SPEED GREATER/EQUAL 20 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL										
NUMBER	0	0	0	0	0	0	0	0	0	0

TEMP. DEG F	TOTAL	NUMBER
<100		0
95-99		0
90-94	29	15
85-89	82	42
80-84	124	63
75-79	151	77
70-74	137	70
65-69	135	69
60-64	131	67
55-59	98	50
50-54	75	38
45-49	35	18
40-44	2	1
35-39		0
30-34		0
<30		0
TOTAL	1000	
NUMBER		510

(con.)

Table 14 (Con.)

TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100306 MT COUER D ALENE LO 1954-1970

MONTH JUL

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94		4	4							
85-89		8	34	12						
80-84		6	69	24	16	2				
75-79		10	32	30	16	4				
70-74		2	16	42	34	14				
65-69			6	10	24	12		6		
60-64				4	2	8	14	8	2	
55-59						6	12	2	2	2
50-54							4	2	2	2
45-49										
40-44								2		
35-39										
30-34										
<30										
TOTAL		30	160	121	91	45	30	20	6	4
NUMBER	0	15	81	61	46	23	15	10	3	2

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94				2						
85-89		2	22	10						
80-84		12	43	24	4					
75-79		2	38	26	6					
70-74			28	36	32	2				
65-69		2		24	30	8				
60-64				8	16	6	2		2	
55-59				2	4	6	6	4	8	
50-54								4		2
45-49								2	2	
40-44										2
35-39										
30-34										
<30										
TOTAL		18	132	128	91	22	8	10	12	4
NUMBER	0	9	67	65	46	11	4	5	6	2

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89		2								
80-84		4	4							
75-79			6	8	2					
70-74			2	8	4					
65-69			4		2	6				
60-64					2					
55-59						2				
50-54										4
45-49										2
40-44										
35-39										
30-34										
<30										
TOTAL		6	16	16	10	8				6
NUMBER	0	3	8	8	5	4	0	0	0	3

WIND SPEED 15-19 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79			2							
70-74										
65-69										
60-64			2	2						
55-59										
50-54										2
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL			4	2						2
NUMBER	0	0	2	1	0	0	0	0	0	1

WIND SPEED GREATER/EQUAL 20 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
NUMBER	0	0	0	0	0	0	0	0	0	0

TEMP. DEG F	TOTAL	NUMBER
<100		0
95-99		0
90-94	10	5
85-89	89	45
80-84	208	105
75-79	180	91
70-74	217	110
65-69	132	67
60-64	77	39
55-59	55	28
50-54	22	11
45-49	6	3
40-44	4	2
35-39		0
30-34		0
<30		0
TOTAL	1000	
NUMBER		506

Table 14 (Con.)

TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100306 MT COUER D ALENE LO 1954-1970

MONTH AUG

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94		11								
85-89		28	17	2						
80-84		15	39	6						
75-79		17	52	17	13	2				
70-74		2	30	37	9	4				
65-69				37	15	15				
60-64				11	17	4	9	6		
55-59					2		2	13		4
50-54								2		6
45-49										11
40-44										
35-39										
30-34										
<30										
TOTAL		74	139	110	56	26	11	22		22
NUMBER	0	34	64	51	26	12	5	10	0	10

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99			6	2						
90-94	4	13	2							
85-89		24	22							
80-84		22	35	4						
75-79		19	37	24		2				
70-74		2	43	37	11					
65-69		2	15	19	19	19	2			
60-64			2	13	9	6	4	2		
55-59					11	2	9	2	6	2
50-54							2	2	2	6
45-49							2			6
40-44										
35-39										
30-34										
<30										
TOTAL	4	89	158	97	50	30	19	6	9	15
NUMBER	2	41	73	45	23	14	9	3	4	7

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94		2								
85-89			2							
80-84		2	2							
75-79		2	4	9						
70-74			2	4	2					
65-69				4		2				
60-64					2	4		2		
55-59							2			
50-54							2		2	
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL		6	11	17	4	6	4	2	2	
NUMBER	0	3	5	8	2	3	2	1	1	0

WIND SPEED 15-19 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79				2						
70-74					2					
65-69										
60-64										
55-59									2	
50-54									2	
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL				2	2				4	
NUMBER	0	0	0	1	1	0	0	0	2	0

WIND SPEED GREATER/EQUAL 20 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69										
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL										
NUMBER	0	0	0	0	0	0	0	0	0	0

TOTAL	NUMBER
	0
9	4
32	15
95	44
126	58
201	93
186	86
152	70
93	43
58	27
28	13
19	9
	0
	0
	0
	0
1000	
	462

Table 14 (Con.)

TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100417 SPYGLASS LO 1954-1970

MONTH JUL

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89		8	4	2						
80-84		4	23	23	2					
75-79		4	35	45	16	2	2			
70-74			8	31	27	6	4			
65-69			8	21	18	10	10	2		
60-64			2	2	8	8	6	8		
55-59				4	2	4	6	8		
50-54						2	2	2	4	2
45-49						2			2	6
40-44										
35-39										
30-34										
<30										
TOTAL		16	80	127	74	35	31	21	6	8
NUMBER	0	8	39	62	36	17	15	10	3	4

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94		2								
85-89			4	2						
80-84		2	25	16	2					
75-79		8	27	51	8					
70-74		2	21	43	23	14				
65-69			4	31	37	14	4	2		
60-64				14	14	8	4	4		
55-59				4	6	16	2	6	2	
50-54				2	4	4	4	6	14	4
45-49							2	2	6	6
40-44							2		2	
35-39										
30-34										
<30										
TOTAL		14	80	164	94	57	18	21	25	10
NUMBER	0	7	39	80	46	28	9	10	12	5

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84		2		2						
75-79			8	4						
70-74			4	23	2	2				
65-69				12	6	2				
60-64				2	8		2	2		
55-59			2		4					
50-54							2		2	4
45-49									2	2
40-44										
35-39										2
30-34										
<30										
TOTAL		2	14	43	21	4	4	2	4	8
NUMBER	0	1	7	21	10	2	2	1	2	4

WIND SPEED 15-19 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79			2	2						
70-74				2						
65-69			2							
60-64										
55-59					2		2			
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL			4	4	2		2			
NUMBER	0	0	2	2	1	0	1	0	0	0

WIND SPEED GREATER/EQUAL 20 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74										
65-69					2					
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL					2					
NUMBER	0	0	0	0	1	0	0	0	0	0

TEMP. DEG F	TOTAL	NUMBER
<100		0
95-99		0
90-94	2	1
85-89	21	10
80-84	101	49
75-79	216	105
70-74	211	103
65-69	187	91
60-64	94	46
55-59	72	35
50-54	60	29
45-49	31	15
40-44	4	2
35-39	2	1
30-34		0
<30		0
TOTAL	1000	
NUMBER		487

(con.)

Table 14 (Con.)

TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED
PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS
-GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100417 SPYGLASS LO 1954-1970

MONTH AUG

WIND SPEED 0-4 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99		2								
90-94		2	2							
85-89		11	7							
80-84		15	24							
75-79		9	35	22	7					
70-74		4	11	33	11	9				
65-69			4	22	7	11		2		
60-64			4	9	13	7	7	2		
55-59					7	9	2	2	4	
50-54						2		4	2	9
45-49								2	2	4
40-44										2
35-39										
30-34										
<30										
TOTAL		44	87	85	44	37	9	13	9	15
NUMBER	0	20	40	39	20	17	4	6	4	7

WIND SPEED 5-9 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89	2	17								
80-84		20	24	4						
75-79		9	70	22	2					
70-74		4	35	31	13	2				
65-69			15	26	22	17		2	2	
60-64			4	17	24	13	7	2		
55-59				4	13	7	2	11		2
50-54						2	4	4	15	2
45-49					2			4	4	13
40-44									2	2
35-39										
30-34										
<30										
TOTAL	2	50	148	105	76	41	13	24	24	20
NUMBER	1	23	68	48	35	19	6	11	11	9

WIND SPEED 10-14 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89	2	4	7							
80-84			13	2						
75-79		4	9	4						
70-74		2	9	7						
65-69			4	9	2	2				
60-64			2	4	4	2				
55-59				4						
50-54						4	11			2
45-49						4				7
40-44										4
35-39										2
30-34										
<30										
TOTAL	2	11	44	31	7	13	11			15
NUMBER	1	5	20	14	3	6	5	0	0	7

WIND SPEED 15-19 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79					2					
70-74			7		2					
65-69				2	2					
60-64										
55-59						2				
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL			7	2	7	2				
NUMBER	0	0	3	1	3	1	0	0	0	0

WIND SPEED GREATER/EQUAL 20 MPH

TEMP. DEG F	RELATIVE HUMIDITY 1 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 TO 60	61 TO 70	71 TO 80	81 TO 90	91 TO 100
<100										
95-99										
90-94										
85-89										
80-84										
75-79										
70-74				2						
65-69					2					
60-64										
55-59										
50-54										
45-49										
40-44										
35-39										
30-34										
<30										
TOTAL				2		2				
NUMBER	0	0	1	0	1	0	0	0	0	0

TEMP. DEG F	TOTAL	NUMBER
<100		0
95-99	2	1
90-94	4	2
85-89	50	23
80-84	102	47
75-79	194	89
70-74	181	83
65-69	155	71
60-64	122	56
55-59	70	32
50-54	63	29
45-49	44	20
40-44	11	5
35-39	2	1
30-34		0
<30		0
TOTAL	1000	
NUMBER		459

Finklin, Arnold I.; Fischer, William C. 1987. Climate of the Deception Creek Experimental Forest, northern Idaho. Gen. Tech. Rep. INT-226. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station. 73 p.

Describes in detail the climate of Deception Creek Experimental Forest and the adjacent area of the Coeur d'Alene National Forest. Data are summarized from year-round climatological stations, fire-weather stations, and other sources.

KEYWORDS: climate, mountain climatology, fire-weather

INTERMOUNTAIN RESEARCH STATION

The Intermountain Research Station provides scientific knowledge and technology to improve management, protection, and use of the forests and rangelands of the Intermountain West. Research is designed to meet the needs of National Forest managers, Federal and State agencies, industry, academic institutions, public and private organizations, and individuals. Results of research are made available through publications, symposia, workshops, training sessions, and personal contacts.

The Intermountain Research Station territory includes Montana, Idaho, Utah, Nevada, and western Wyoming. Eighty-five percent of the lands in the Station area, about 231 million acres, are classified as forest or rangeland. They include grasslands, deserts, shrublands, alpine areas, and forests. They provide fiber for forest industries, minerals and fossil fuels for energy and industrial development, water for domestic and industrial consumption, forage for livestock and wildlife, and recreation opportunities for millions of visitors.

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Bozeman, Montana (in cooperation with Montana State University)

Logan, Utah (in cooperation with Utah State University)

Missoula, Montana (in cooperation with the University of Montana)

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